

## Durham E-Theses

---

### *The effect of stress & fractures on fluid flow in crystalline rocks, Cumbria, UK*

Reeves, Helen J.

#### How to cite:

---

Reeves, Helen J. (2002) *The effect of stress & fractures on fluid flow in crystalline rocks, Cumbria, UK*, Durham theses, Durham University. Available at Durham E-Theses Online:  
<http://etheses.dur.ac.uk/1076/>

#### Use policy

---

The full-text may be used and/or reproduced, and given to third parties in any format or medium, without prior permission or charge, for personal research or study, educational, or not-for-profit purposes provided that:

- a full bibliographic reference is made to the original source
- a [link](#) is made to the metadata record in Durham E-Theses
- the full-text is not changed in any way

The full-text must not be sold in any format or medium without the formal permission of the copyright holders.

Please consult the [full Durham E-Theses policy](#) for further details.

---

Academic Support Office, Durham University, University Office, Old Elvet, Durham DH1 3HP  
e-mail: [e-theses.admin@dur.ac.uk](mailto:e-theses.admin@dur.ac.uk) Tel: +44 0191 334 6107  
<http://etheses.dur.ac.uk>



# **The Effect of Stress & Fractures on Fluid Flow in Crystalline Rocks, Cumbria, UK.**

The copyright of this thesis rests with the author.  
No quotation from it should be published without  
his prior written consent and information derived  
from it should be acknowledged.

**Helen J. Reeves**

**Volume III of III  
(Appendices)**



**- 7 JUL 2003**

**A thesis submitted to the University of Durham,  
Department of Geological Sciences,  
for the degree of Doctor of Philosophy  
in the Faculty of Science.**

**September 2002**

**ALL MISSING PAGES ARE BLANK**

**IN**

**ORIGINAL**

# Contents.

Page N°.

<b>Abstract</b>	<b>ii</b>
<b>Contents</b>	<b>iii</b>
<b>List of Figures, Plates &amp; Tables</b>	<b>vi</b>
<b>List of Abbreviations &amp; Symbols</b>	<b>ix</b>
<b>Declaration</b>	<b>x</b>
<b>Copyright &amp; Intellectual Property Rights</b>	<b>x</b>
<b>Acknowledgements</b>	<b>xi</b>
<b>1. Introduction</b>	<b>1</b>
1.1 Preamble	1
1.2 Aims & Objectives	2
1.3 Thesis Structure	2
1.4 Background & History of Sellafield	4
1.4.1 Deep Borehole Investigations	9
1.4.2 Surface Investigations	10
<b>2. Literature Review</b>	<b>14</b>
2.1 Introduction	14
2.2 Mechanics & Techniques for <i>In Situ</i> Stress Determination	14
2.2.1 Introduction	14
2.2.2 Mechanics for <i>In Situ</i> Stress Determination	14
2.2.3 Techniques for <i>In Situ</i> Stress Determination	17
2.2.3.1 Indirect Methods	20
2.2.3.2 Direct Methods	20
2.2.3.3 Borehole Methods	22
2.3 Regional Stress Map	40
2.3.1 Introduction	40
2.3.2 World Stress Map	40
2.3.3 European Stress Map	42
2.3.4 UK Stress Map	43
2.4 Characterisation of Discontinuities	46
2.4.1 Biased Sampling of Discontinuities	57
2.5 Hydrogeological Characterisation	57
2.6 Stress, Fractures & Flow	58

<b>3. Geological &amp; Hydrogeological Setting</b>	<b>67</b>
3.1 Geology – Introduction	67
3.1.1 Regional/District Geology	67
3.1.2 Site Geology	71
3.1.2.1 Ordovician	76
3.1.2.2 Carboniferous	77
3.1.2.3 Permian & Triassic	81
3.1.2.4 Quaternary	86
3.1.3 PRZ Geology	89
3.2 Hydrogeology	89
3.2.1 Regional/District Hydrogeology	89
3.2.2 Site Hydrogeology	90
3.2.2.1 Ordovician	93
3.2.2.2 Carboniferous	94
3.2.2.3 Permian Brockram	94
3.2.2.4 Permian St Bees Shale & Evaporite Group	97
3.2.2.5 Triassic Sherwood Sandstone Group	97
3.2.2.6 Triassic Mercia Mudstone Group	99
3.2.2.7 Quaternary	99
3.2.3 PRZ Hydrogeology	99
<b>4. Regional Stress Map</b>	<b>103</b>
4.1 Introduction	103
4.2 Acquisition of <i>In Situ</i> Stress Data	103
4.2.1 Preliminary Acquisition of <i>In Situ</i> Stress Data	108
4.2.2 Main Acquisition of <i>In Situ</i> Stress Data	110
4.3 Presentation of Data	111
4.3.1 Presentation of Preliminary <i>In Situ</i> Stress Data	111
4.3.2 Presentation of Main <i>In Situ</i> Stress Data	111
4.4 Analysis & Assessment of Results	114
4.4.1 Analysis & Assessment of Preliminary Results	114
4.4.2 Analysis & Assessment of Main Results	119
<b>5. Characterisation of Discontinuities</b>	<b>136</b>
5.1 Introduction	136
5.2 Flow Zone Data	136
5.3 <i>In Situ</i> Stress Data	142
5.3.1 Flow Zones	142
5.3.1.1 Flow Zones - Acquisition of <i>In Situ</i> Stress Data	142
5.3.1.2 Flow Zones - <i>In Situ</i> Stress Data	143
5.3.1.3 Flow Zones - Assessment of <i>In Situ</i> Stress Data	143
5.3.2 Short Interval Test (SIT) Zone	146
5.3.2.1 SIT Zone - Acquisition of <i>In Situ</i> Stress Data	146
5.3.2.2 SIT Zone - Presentation of Data	147
5.3.2.3 SIT Zone - Assessment of Data	147
5.4 Discontinuity Orientation Data	156
5.4.1 Validation of Discontinuity Data - Acquisition of Data	156
5.4.2 Validation of Discontinuity Data - Presentation of Data	160
5.4.3 Validation of Discontinuity Data - Assessment of Data	160

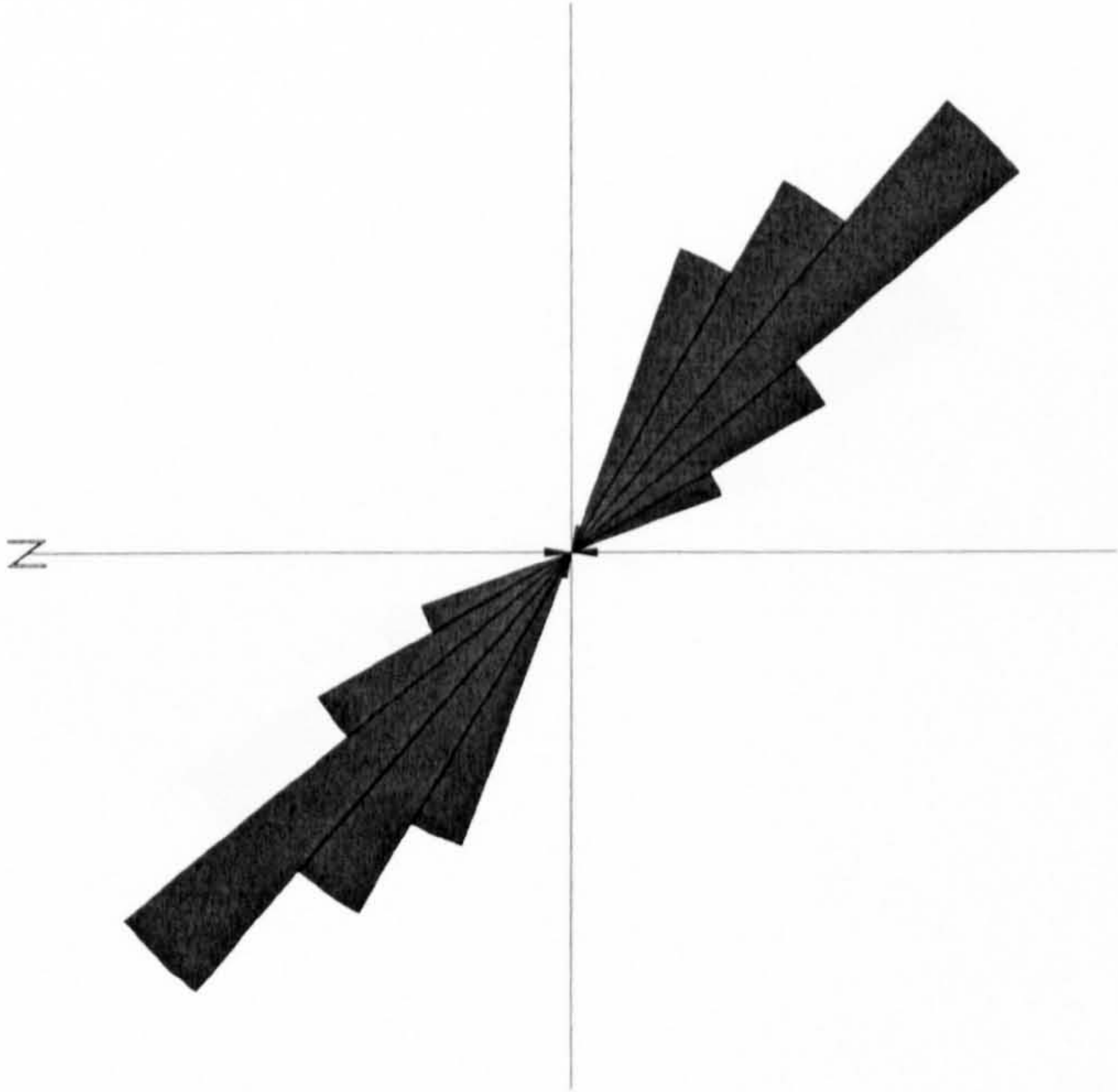


<b>6. In Situ Stress, Fracture Systems &amp; Groundwater Flow Pathways</b>	<b>167</b>
6.1 Introduction	167
6.2 Integration of Discontinuity Data and <i>In Situ</i> Stress Data	169
6.2.1 Introduction	169
6.2.2 Acquisition of Data	170
6.2.3 Presentation of Data	173
6.2.3.1 Flow Zones	173
6.2.3.2 SIT Zone	173
6.2.4 Assessment of Data	175
6.2.4.1 Flow Zones	175
6.2.4.2 SIT Zone	176
6.3 Integration of all Discontinuity Data, <i>In Situ</i> Stress Data, Flow Data, Geological Data and Geophysical Data	182
6.3.1 Introduction	182
6.3.2 Production of Log(s)	186
6.3.3 Presentation of Composite Log	189
6.3.4 Assessment of Log	189
<b>7. Discussion &amp; Synthesis</b>	<b>194</b>
7.1 Introduction	194
7.2 Regional stress regime within the BVG at Sellafield	195
7.2.1 Assessment of tools used for breakout analysis	195
7.2.2 Filtering of raw image log data	198
7.2.3 Distribution of breakout results	198
7.3 Characterisation & Interaction of In Situ Stresses, Discontinuities & the Flow of Fluid Through the BVG and Permian-Triassic Rocks at Sellafield	201
7.3.1 Characterisation	201
7.3.2 Interaction of In Situ Stress, Discontinuities & the Flow of Fluid	202
<b>8. Conclusions</b>	<b>214</b>
<b>9. Recommendations</b>	<b>217</b>
<b>References</b>	<b>220</b>
<b>Appendices</b>	<b>238(VI)</b>
Appendix 1: Over Sized a) Tables & b) Figures	V I
Appendix 2: Software Manuals	V II
Appendix 3: Software Guides - Stress Map Analysis	V II
Appendix 4: Breakout Roses - Tools Analysis	V II
Appendix 5: Breakout, Discontinuity Roses & Stress Profiles – BVG Stress Map	V II
Appendix 6: Flow Zone & SIT Data	V II
Appendix 7: Software Guides - Flow Zone & SIT Stress Analysis	V II
Appendix 8: Breakout & Discontinuity Roses - Flow Zone & SIT Stress Analysis	V II/III
Appendix 9: Discontinuity Roses & Stereonets - Tools Analysis	V III
Appendix 10: Critical Stress Data - Flow Zone & SIT Stress Analysis	V III
Appendix 11: Nirex's Composite Logs & Summary Charts of the PRZ boreholes	V III

## **Appendix 8 (Continued from Volume II)**

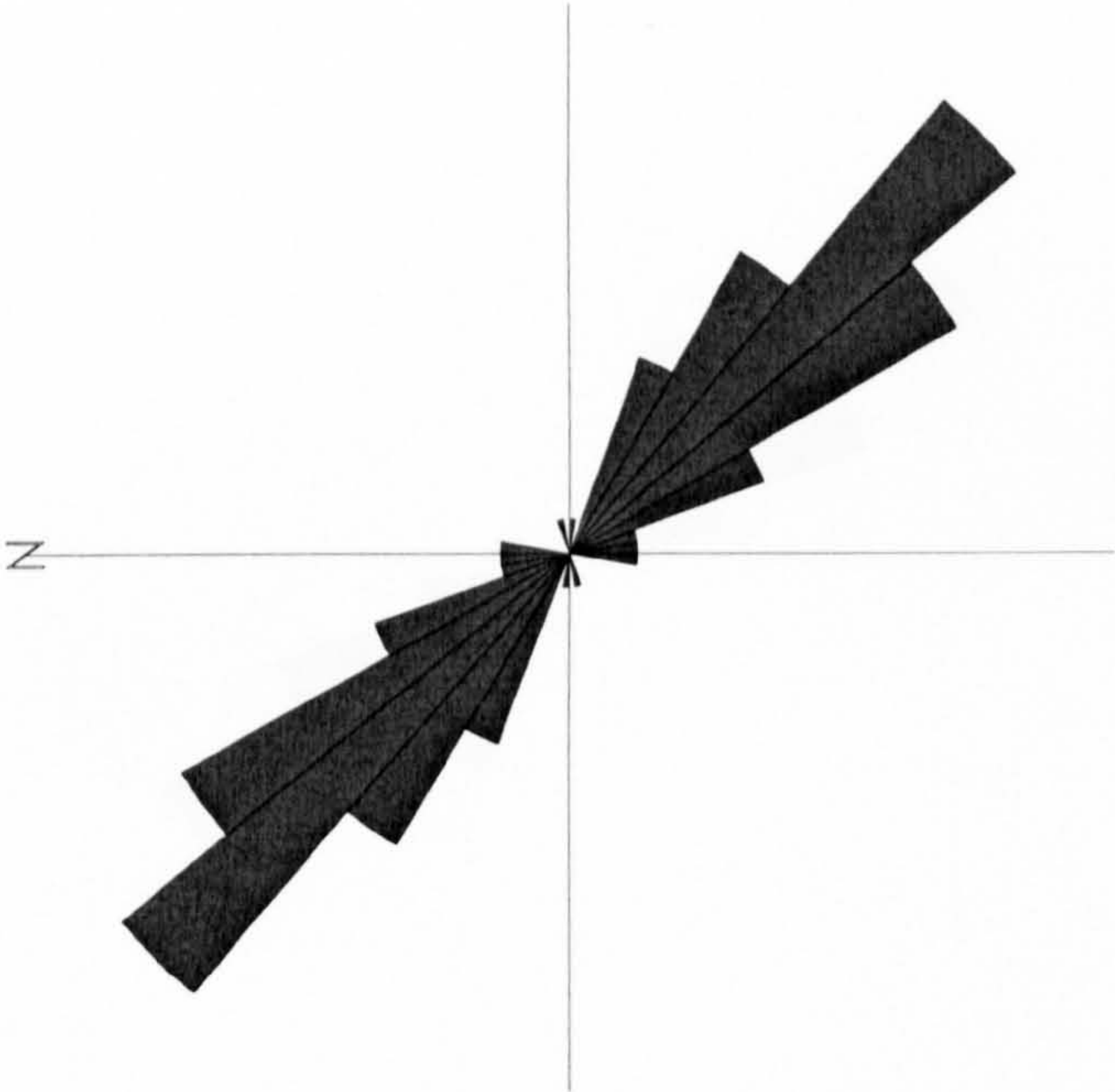
### **Breakout & Discontinuity Roses – Flow Zone & Short Interval Stress Analysis**

Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 193.0 TO 203.0 METRES



Mean direction = 132.7    +-    13.5    Class 1  
NO OF DATA POINTS    7803

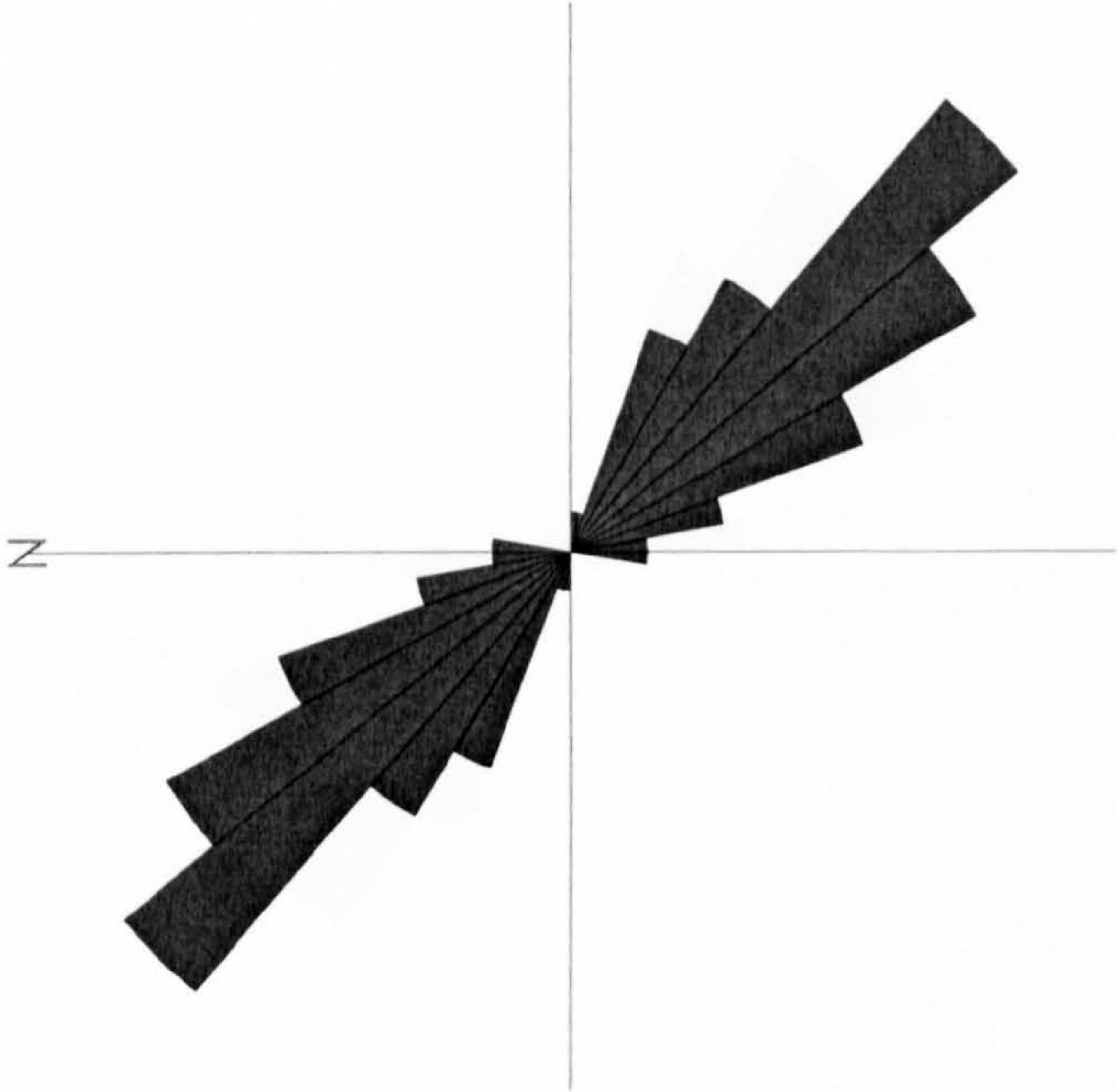
Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 202.5 TO 212.5 METRES



Mean direction = 137.3<sup>+ -</sup> 15.5 Class 1  
NO OF DATA POINTS 7803

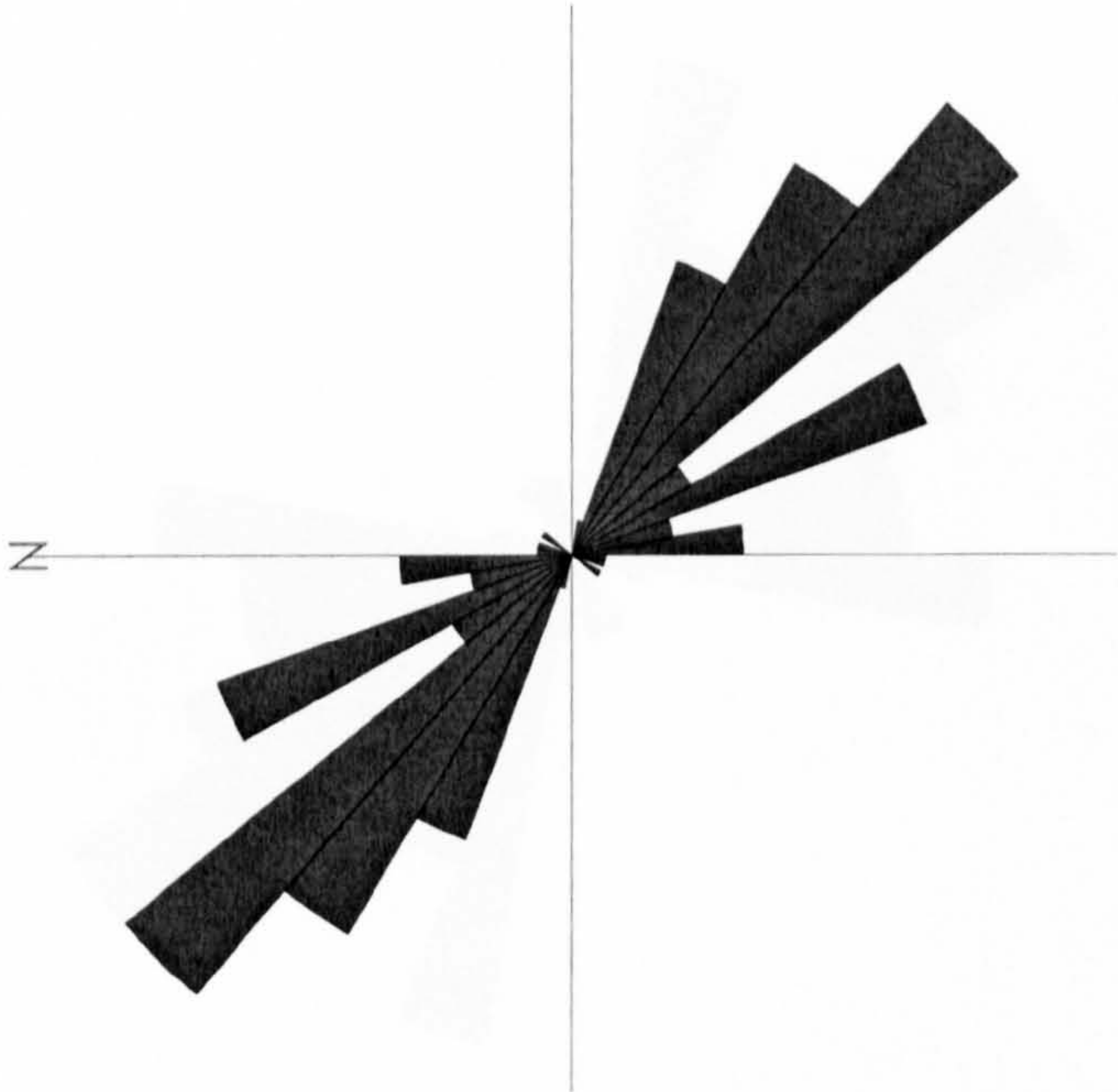


Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 206.0 TO 216.0 METRES



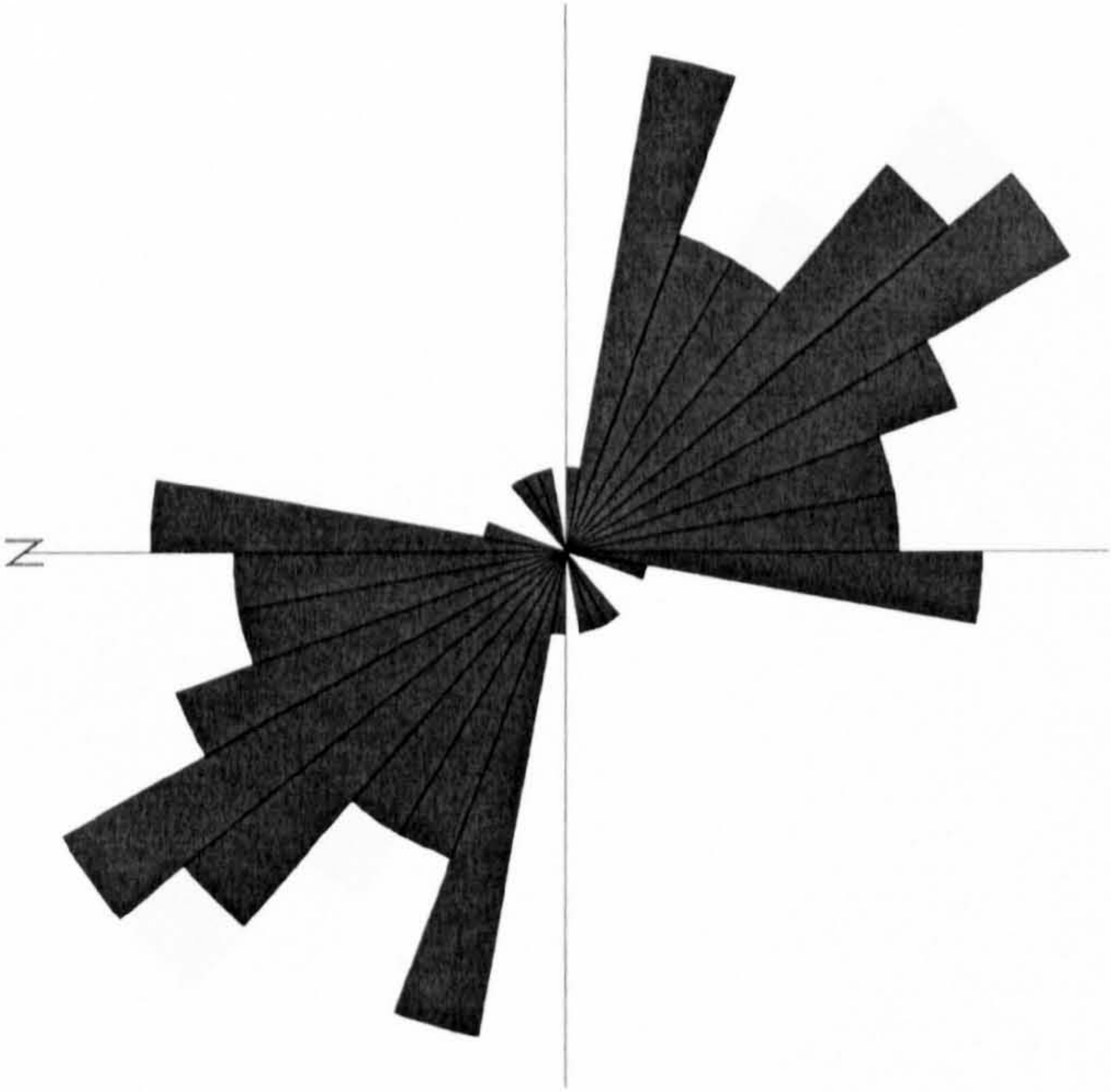
Mean direction = 138.6    +-    17.1    Class 1  
NO OF DATA POINTS    7803

Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 211.5 TO 221.5 METRES



Mean direction = 138.0    +-    17.9    Class 1  
NO OF DATA POINTS    7803

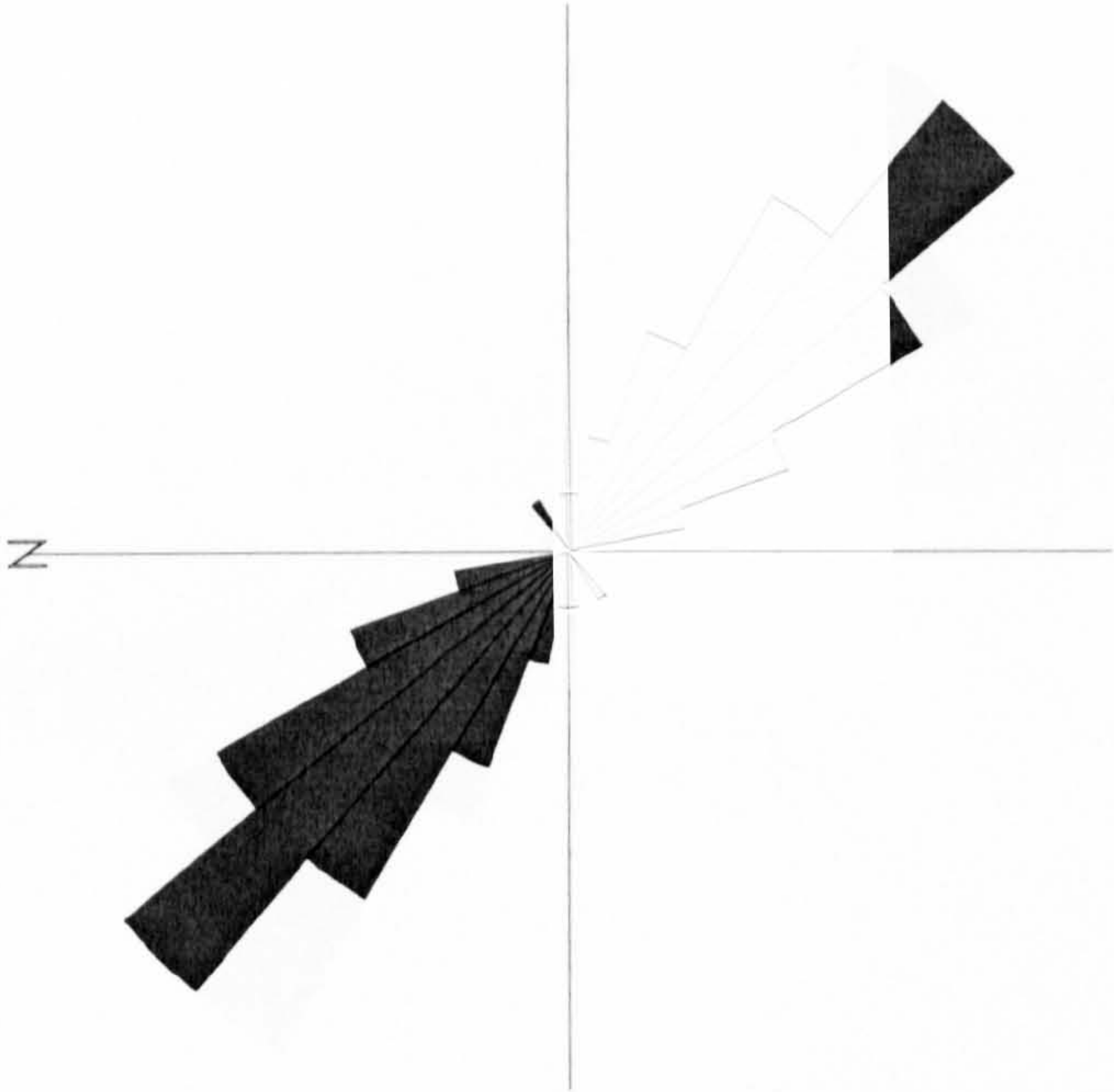
Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 228.0 TO 238.0 METRES



Mean direction = 138.3    +-    22.0    Class 3  
NO OF DATA POINTS    7803

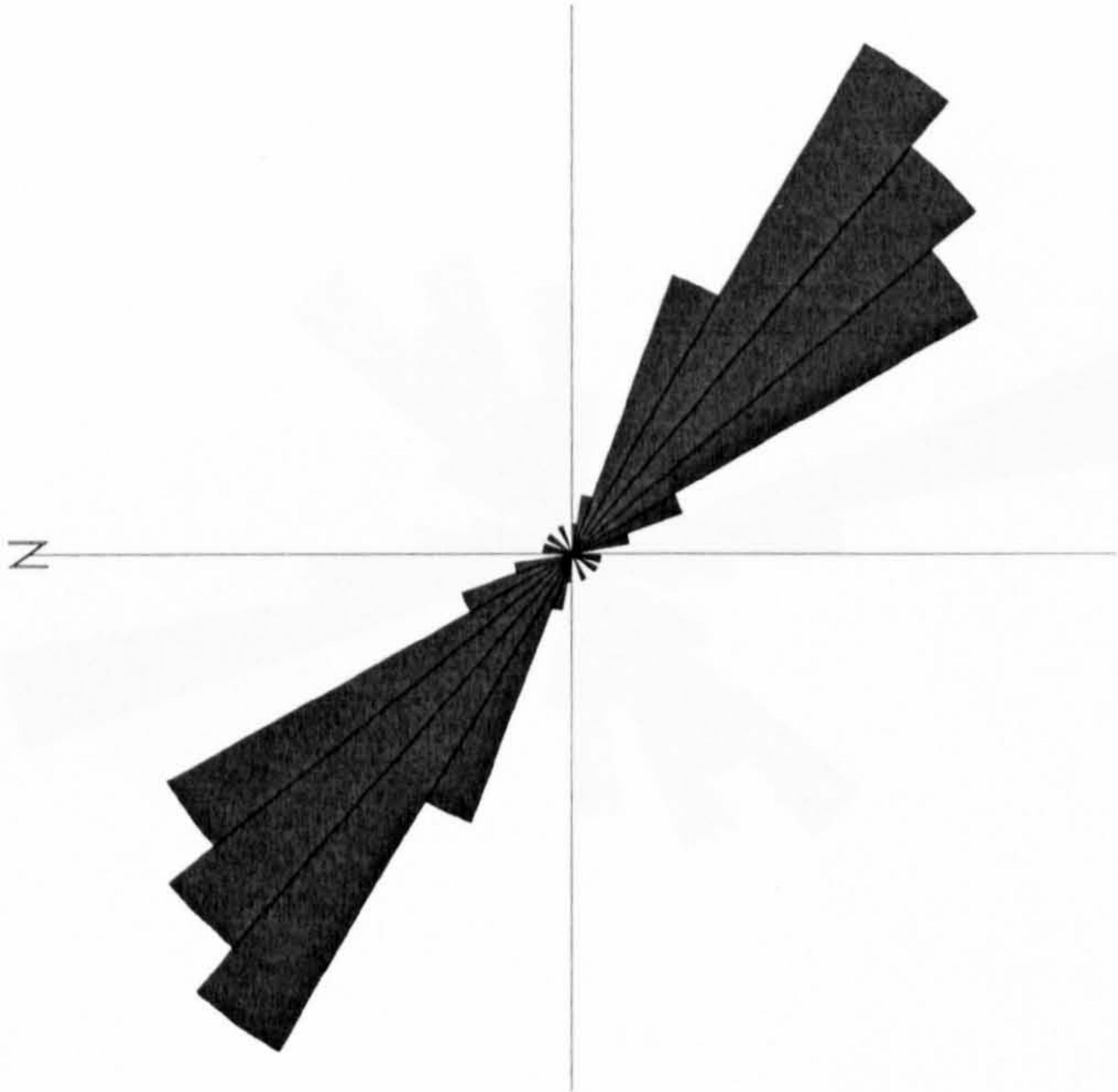


Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 237.0 TO 247.0 METRES



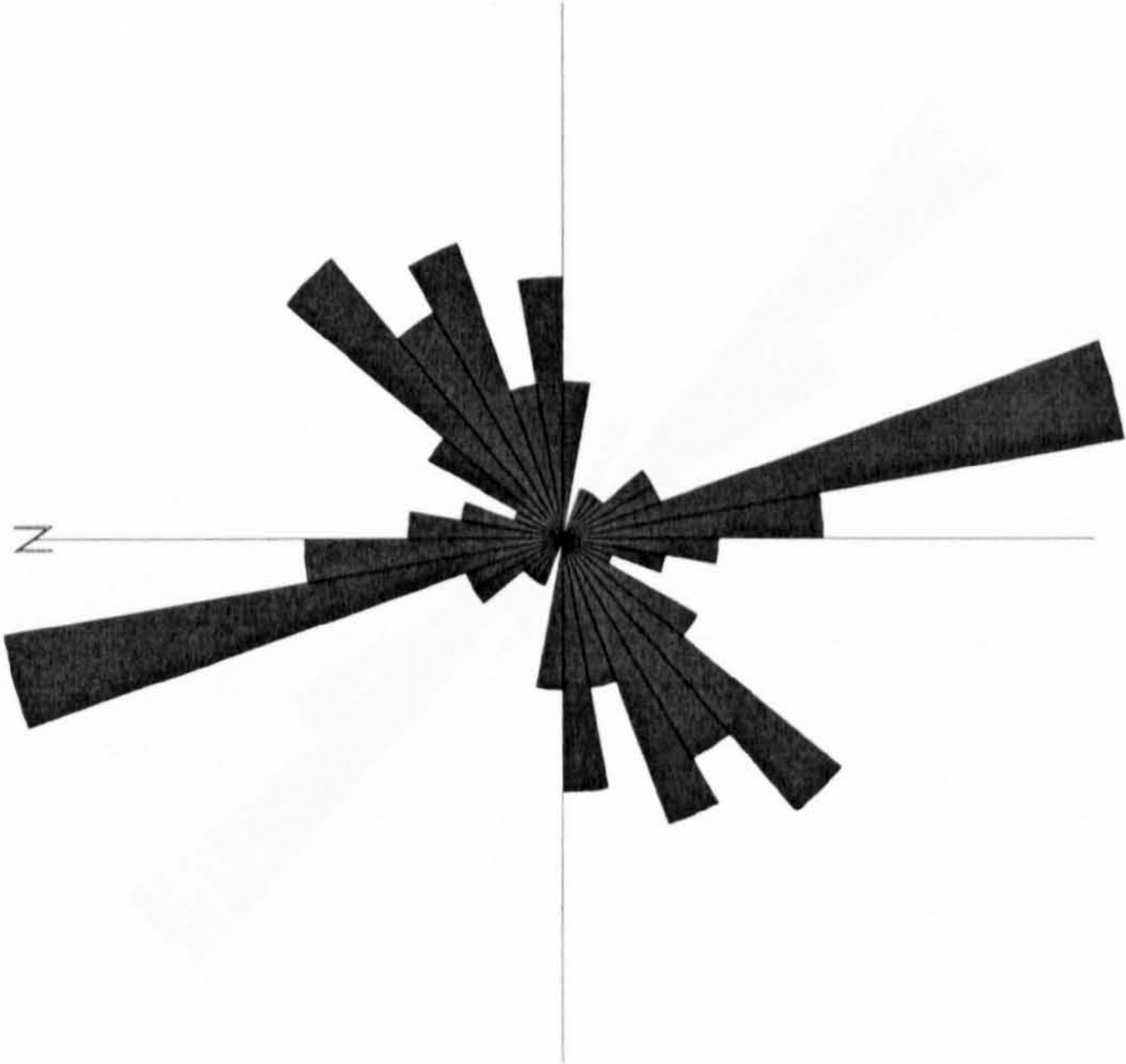
Mean direction = 134.7    +-    15.7    Class 1  
NO OF DATA POINTS    7803

Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 379.0 TO 389.0 METRES



Mean direction = 132.6    +-    12.9    Class 1  
NO OF DATA POINTS    7803

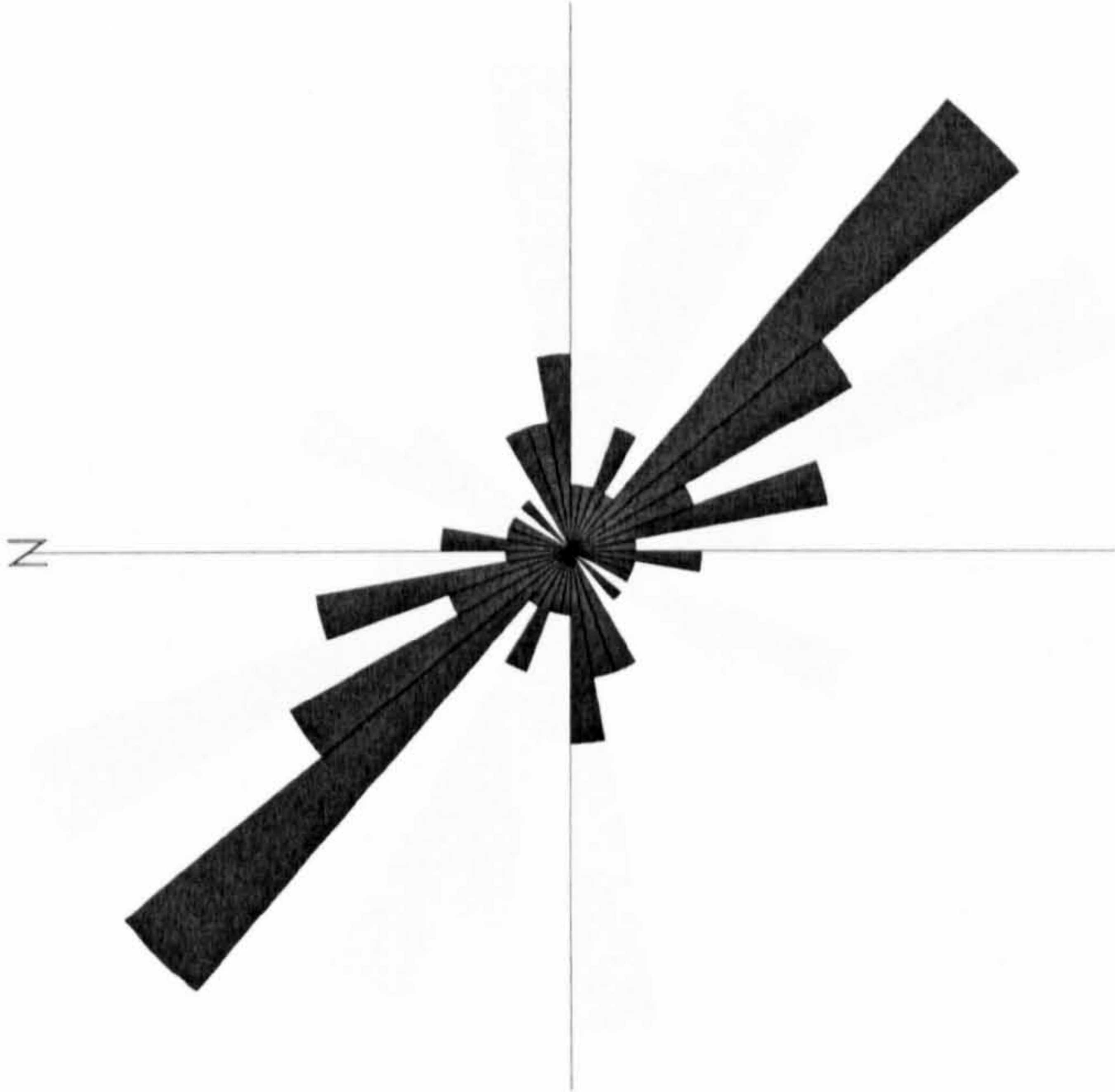
Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 539.0 TO 550.0 METRES



Mean direction = 161.2 +- 12.4  
NO OF DATA POINTS 7803  
Class 1

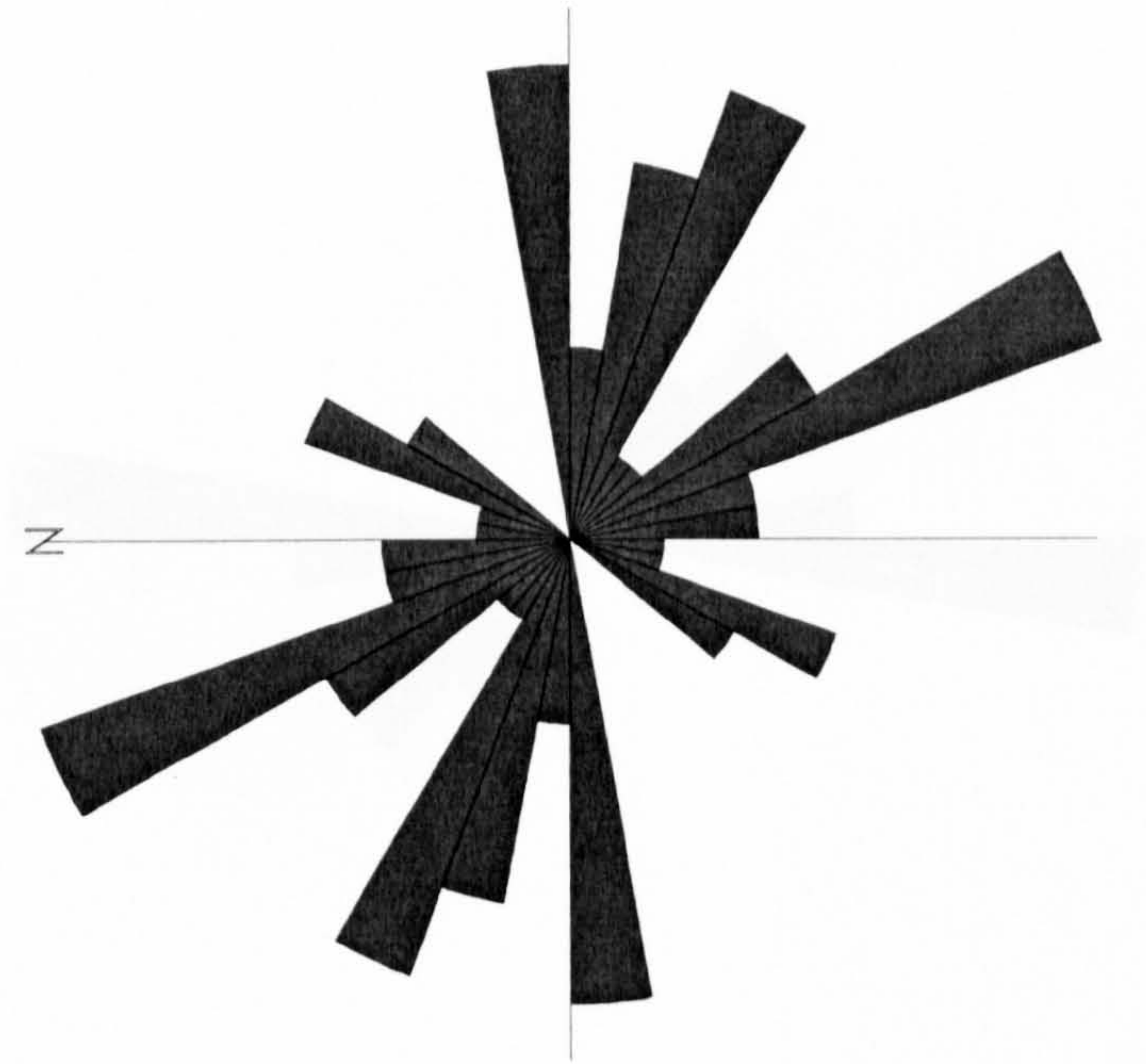


Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 568.0 TO 575.5 METRES



Mean direction = 139.7 +- 18.9  
NO OF DATA POINTS 7803  
Class 1

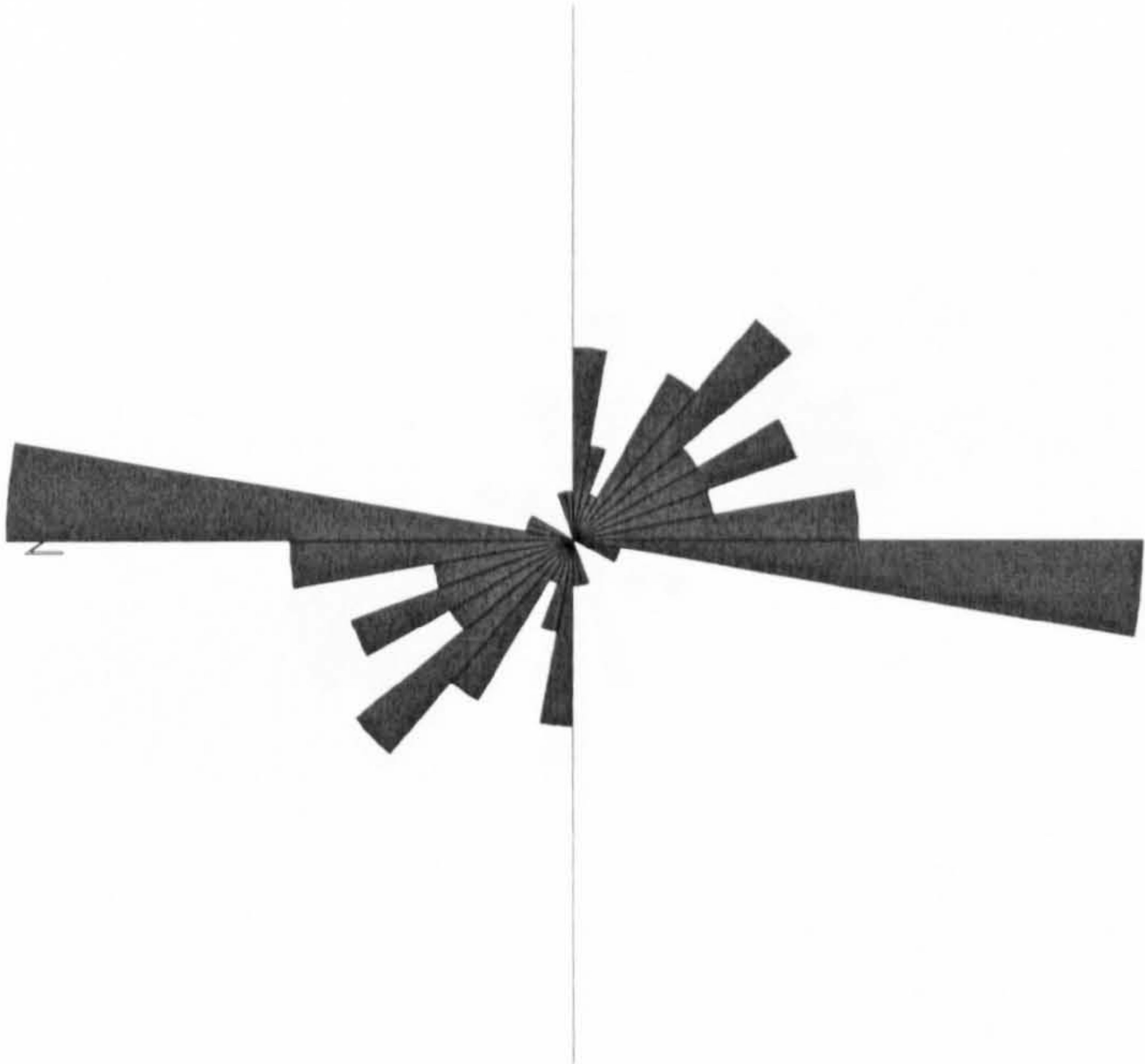
Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 605.0 TO 610.0 METRES



Mean direction = 143.6    +-    21.7    Class 3  
NO OF DATA POINTS    7803

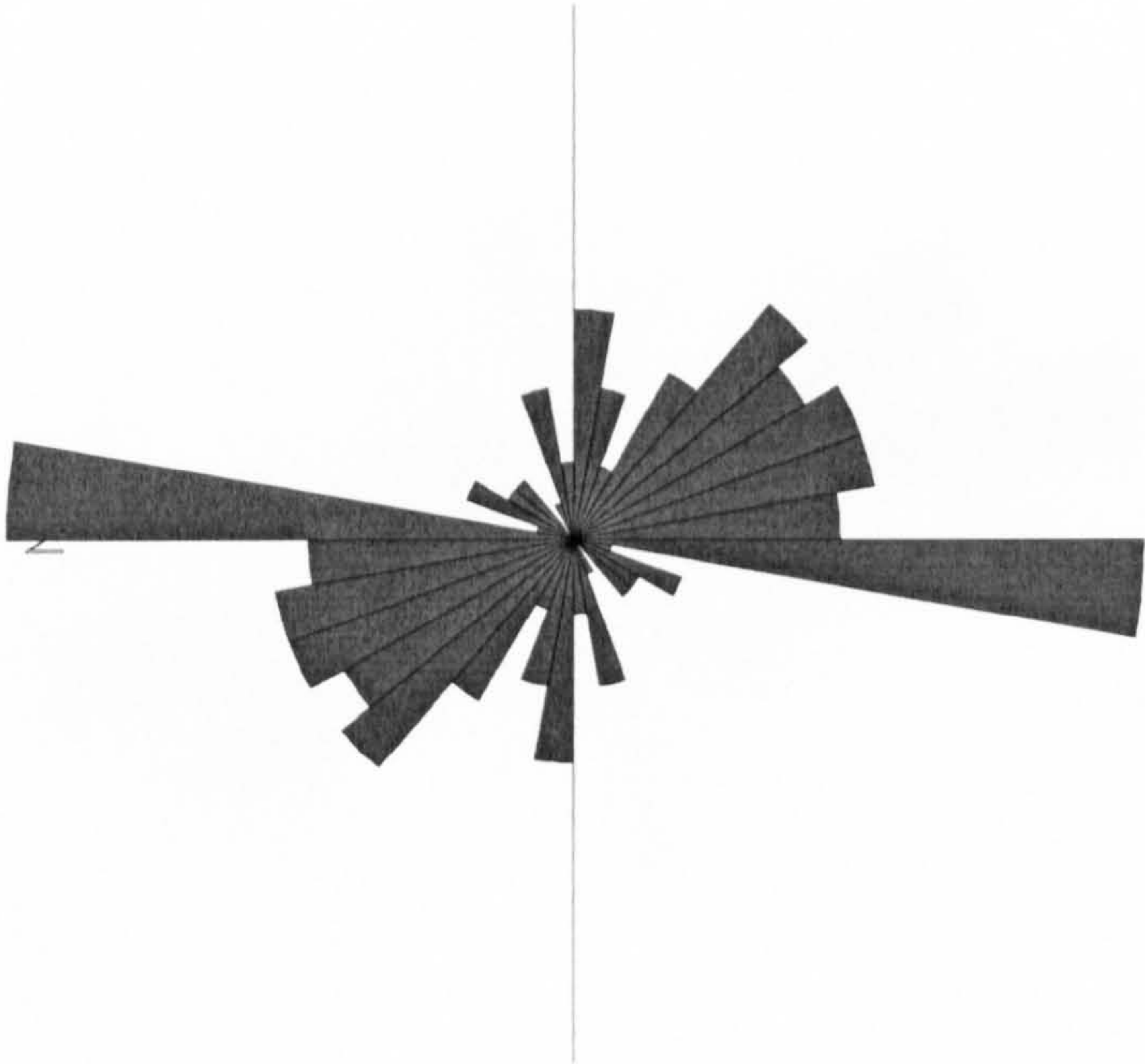


Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 615.0 TO 622.5 METRES



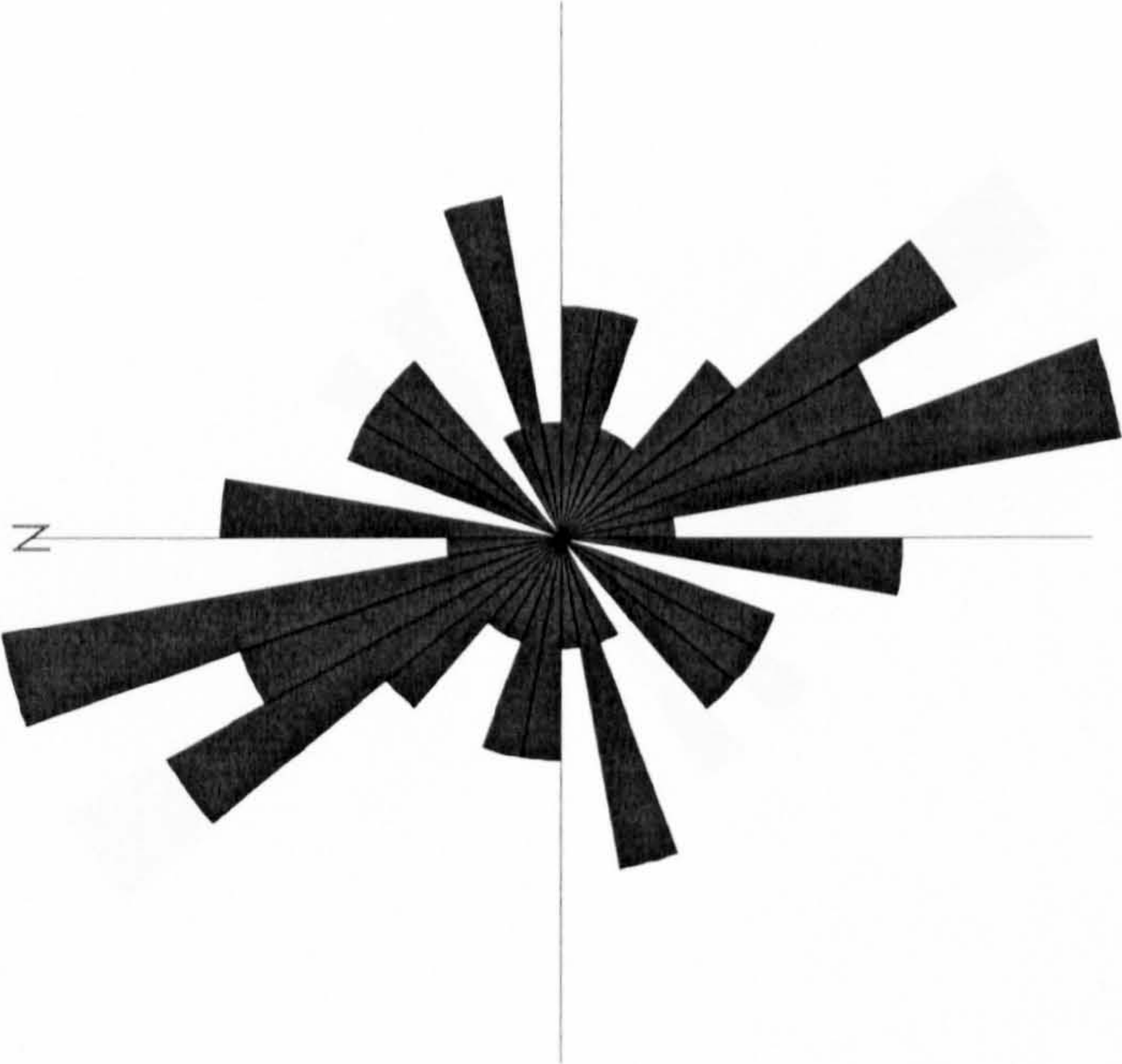
Mean direction = 7.4 + - 5.8  
NO OF DATA POINTS 7803  
Class 1

Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 615.0 TO 627.0 METRES



Mean direction = 13.9    +-    13.4    Class 1  
NO OF DATA POINTS    7803

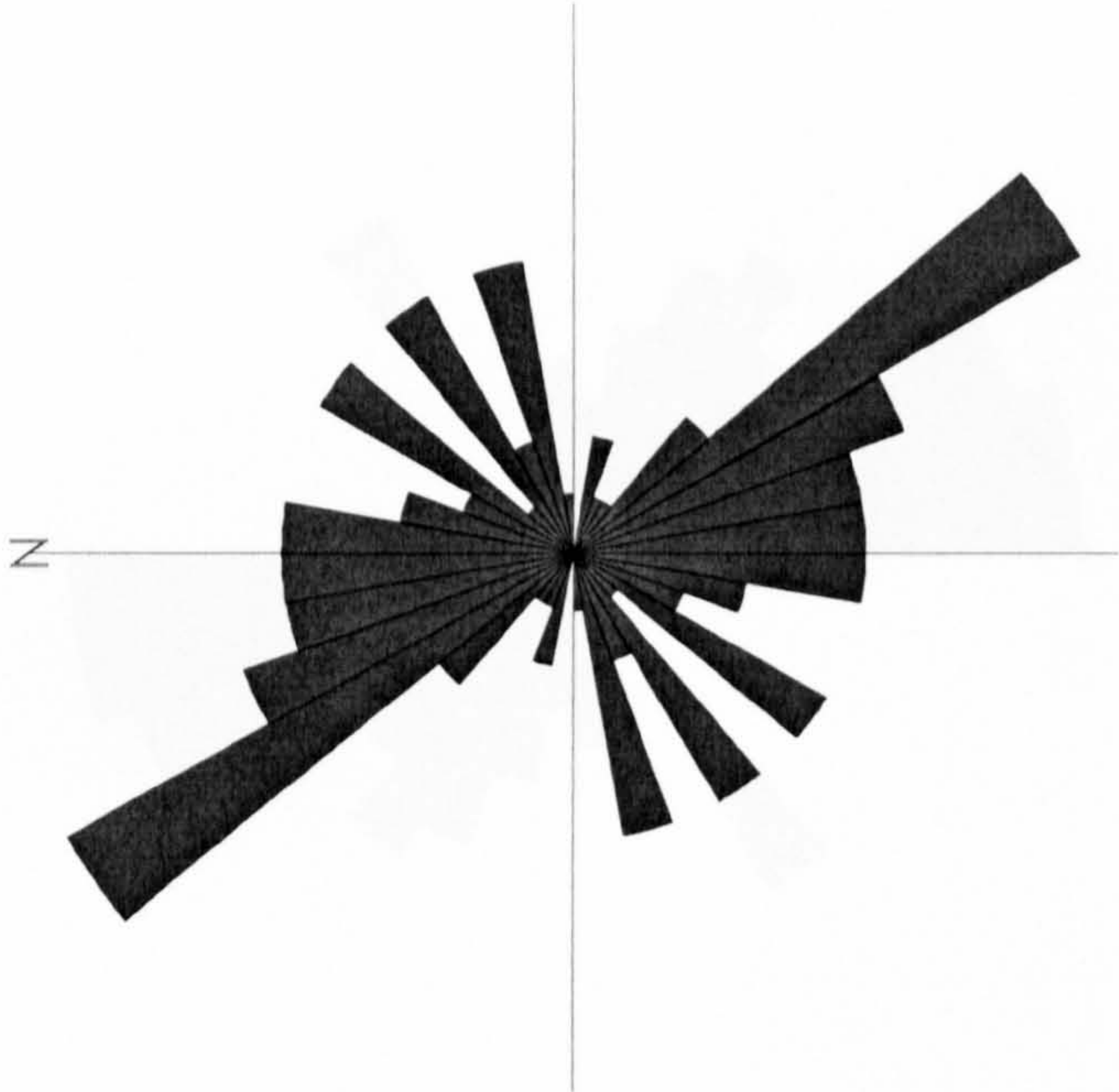
Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 622.5 TO 627.0 METRES



Mean direction = 152.5 + - 13.8  
NO OF DATA POINTS 7803  
Class 1

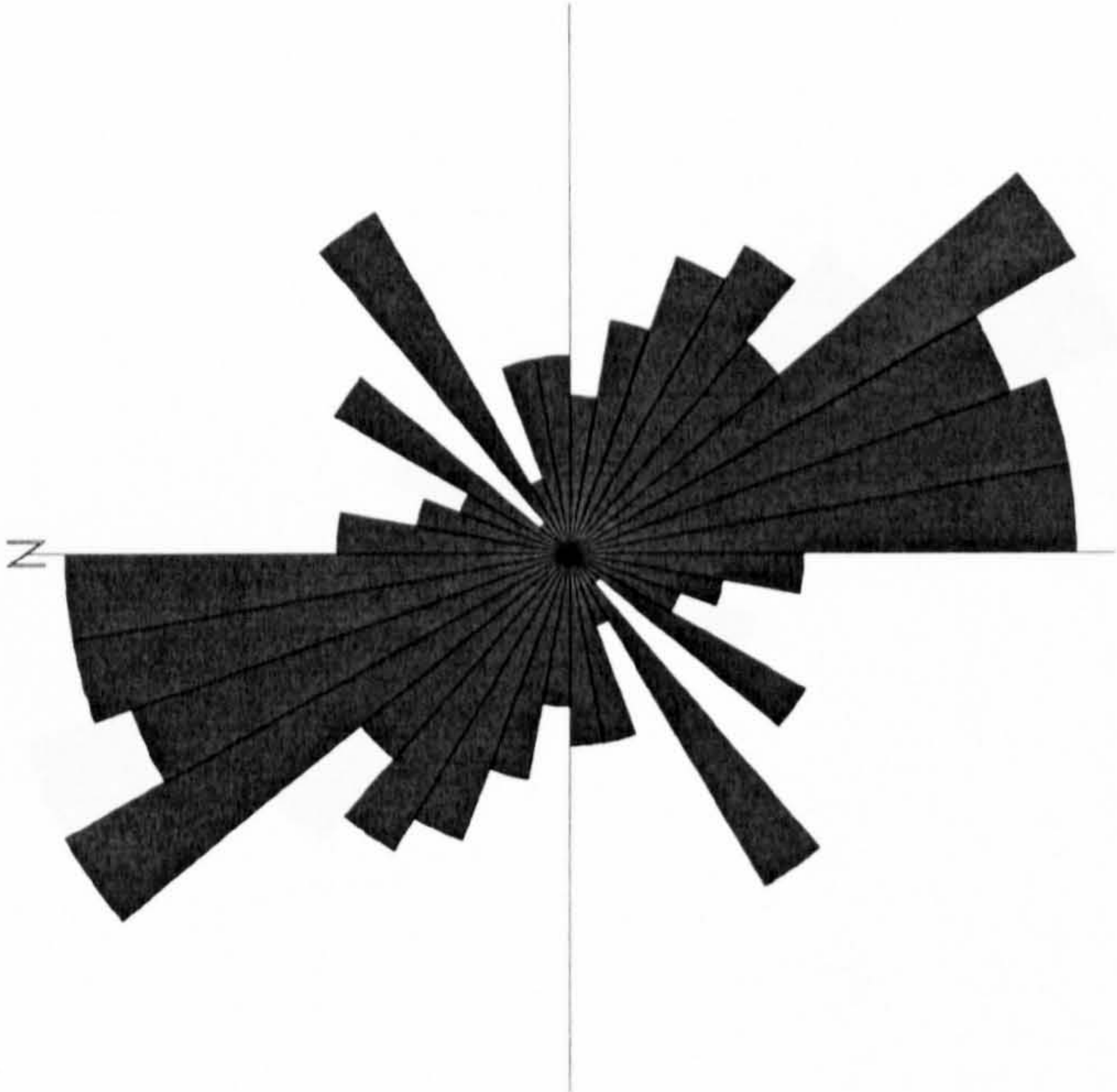


Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 732.0 TO 742.0 METRES



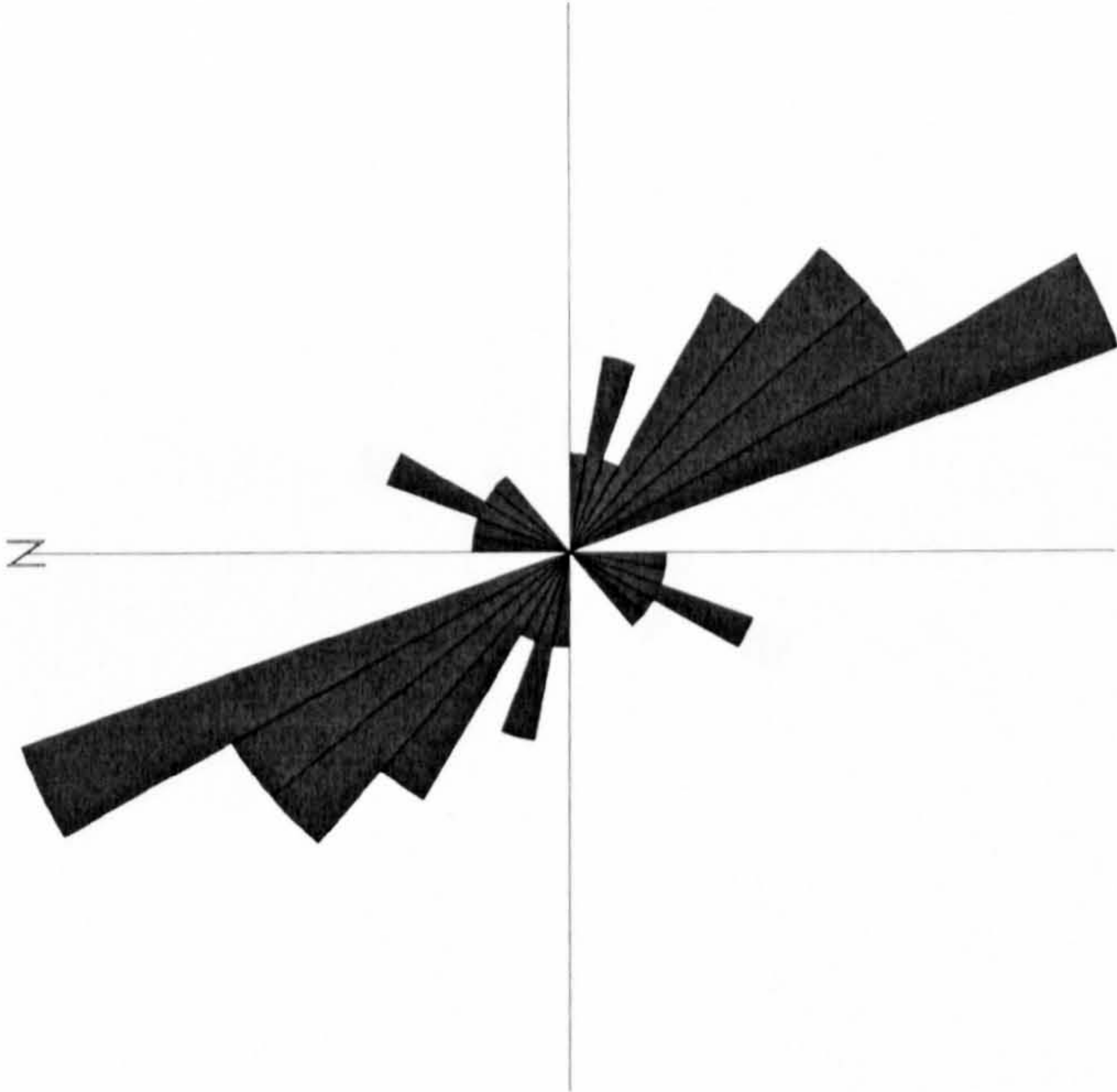
Mean direction = 150.1    +-    18.9    Class 1  
NO OF DATA POINTS    7803

Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 733.5 TO 753.5 METRES



Mean direction =	145.9	+/-	22.2	Class	3
	NO OF DATA POINTS		7803		

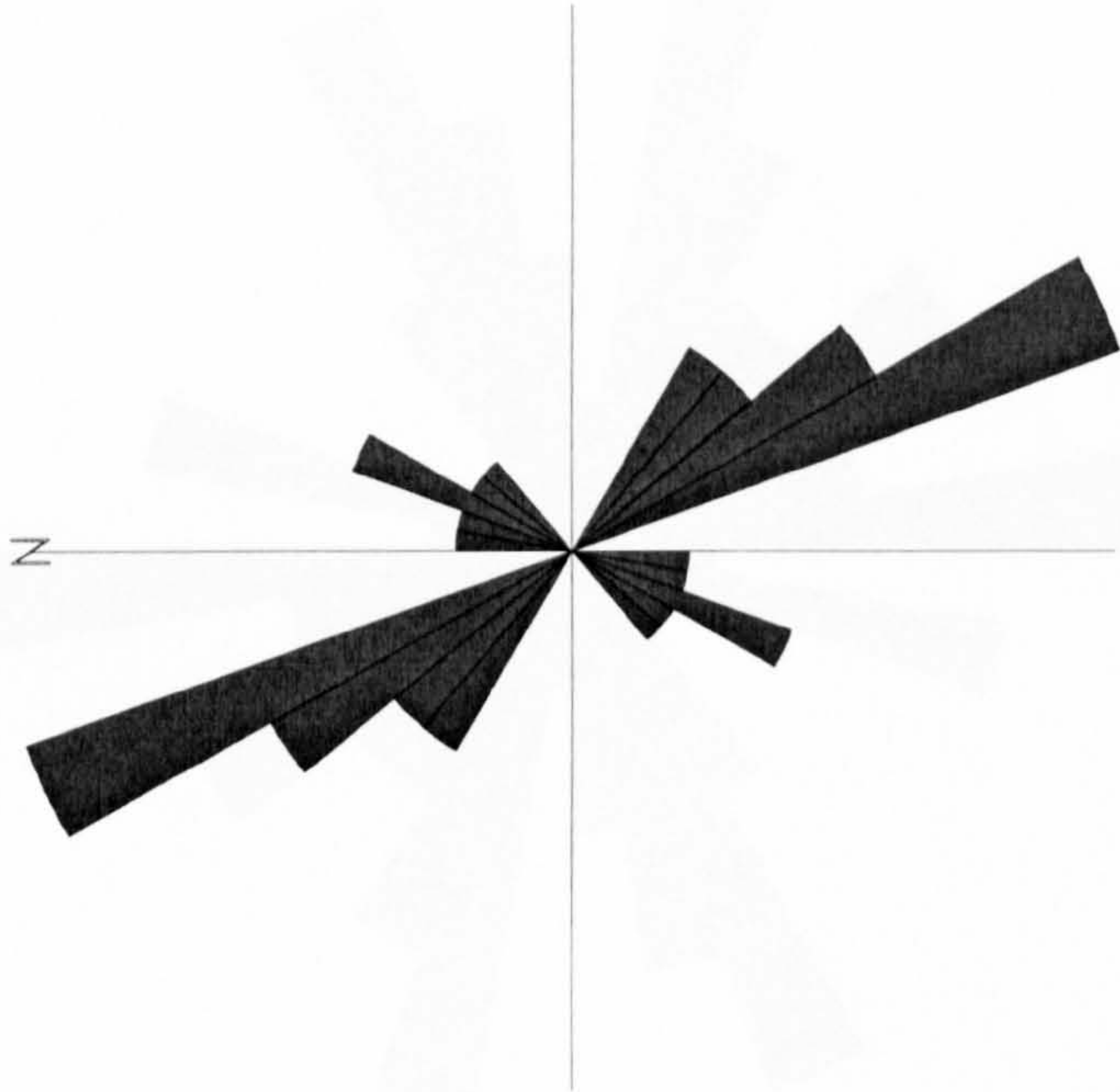
Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 800.0 TO 804.0 METRES



Mean direction = 139.6 +- 12.9  
NO OF DATA POINTS 7803 Class 1

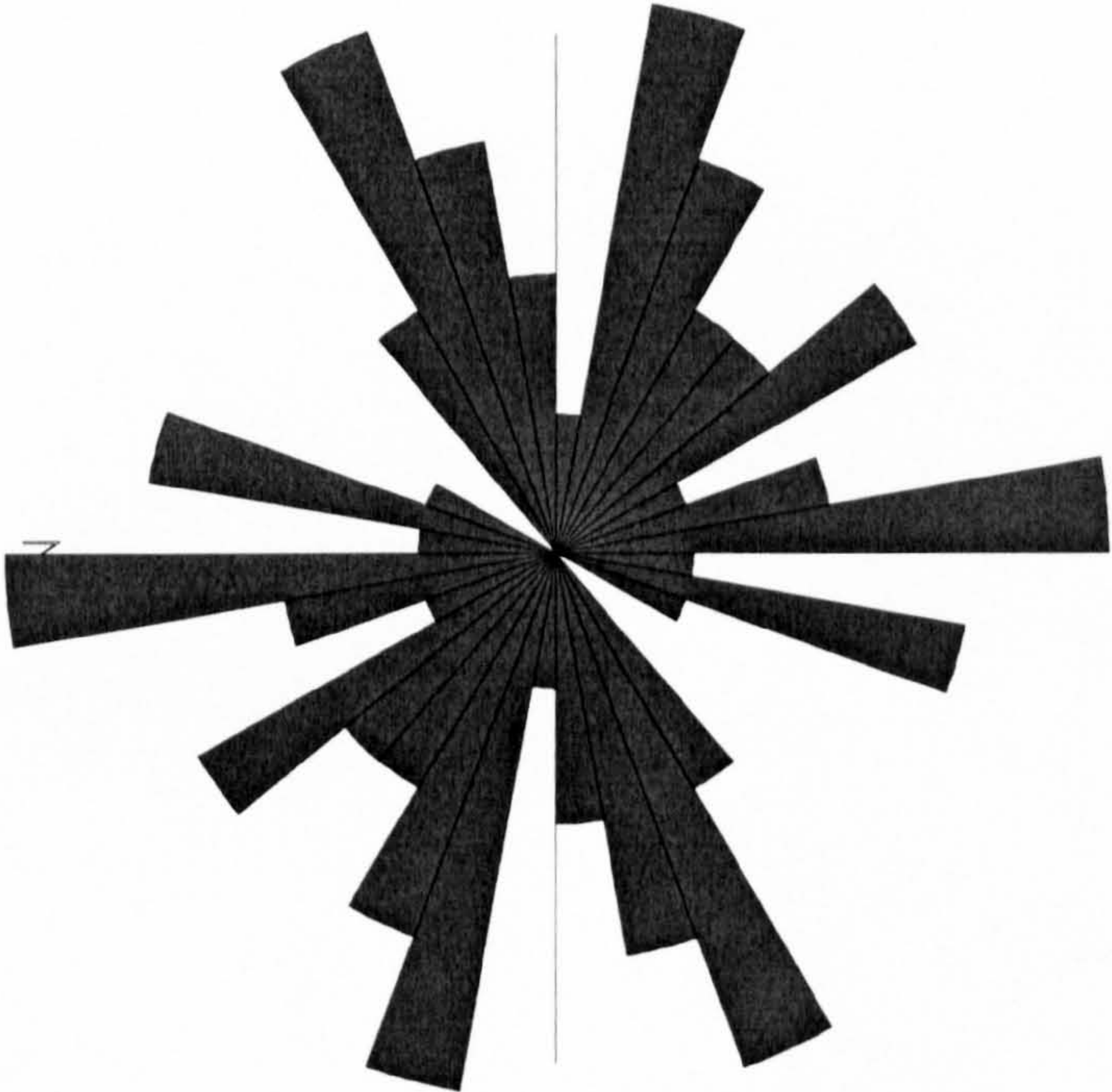


Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 801.5 TO 804.0 METRES



Mean direction = 142.8    +-    11.3    Class 1  
NO OF DATA POINTS    7803

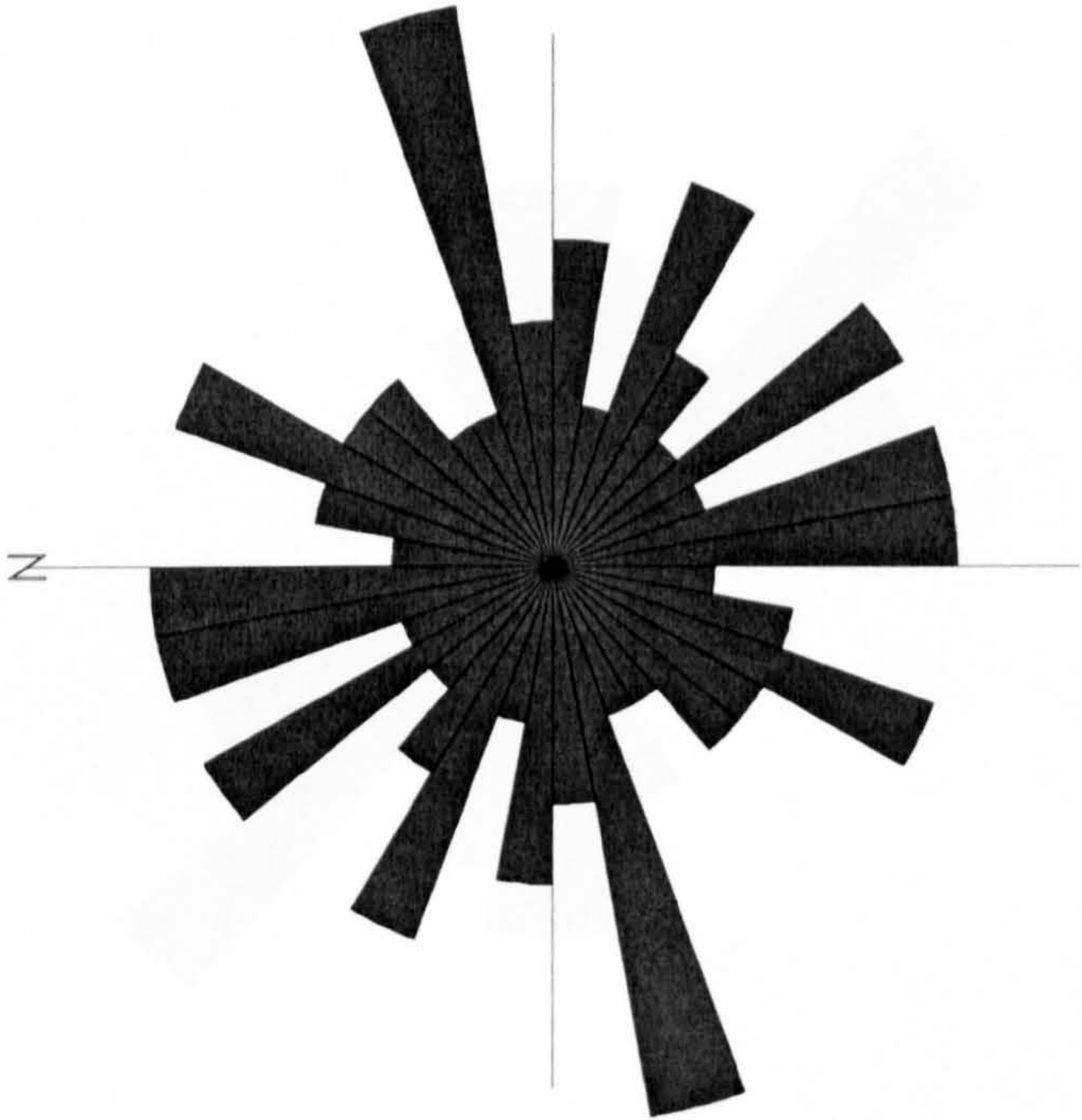
Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 804.0 TO 813.0 METRES



Mean direction = 76.9    +-    22.8    Class 3  
NO OF DATA POINTS    7803

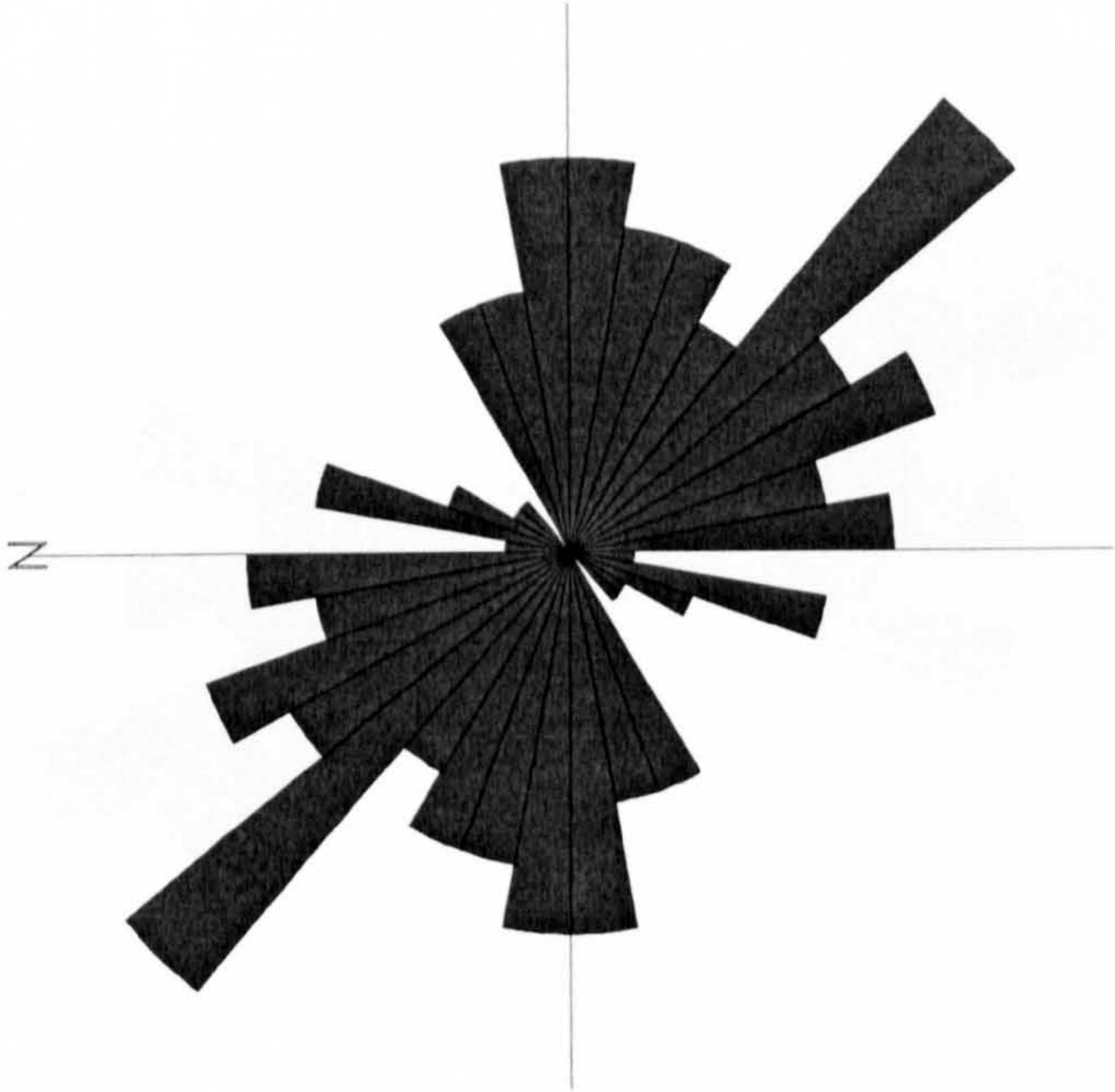


Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 932.0 TO 941.0 METRES



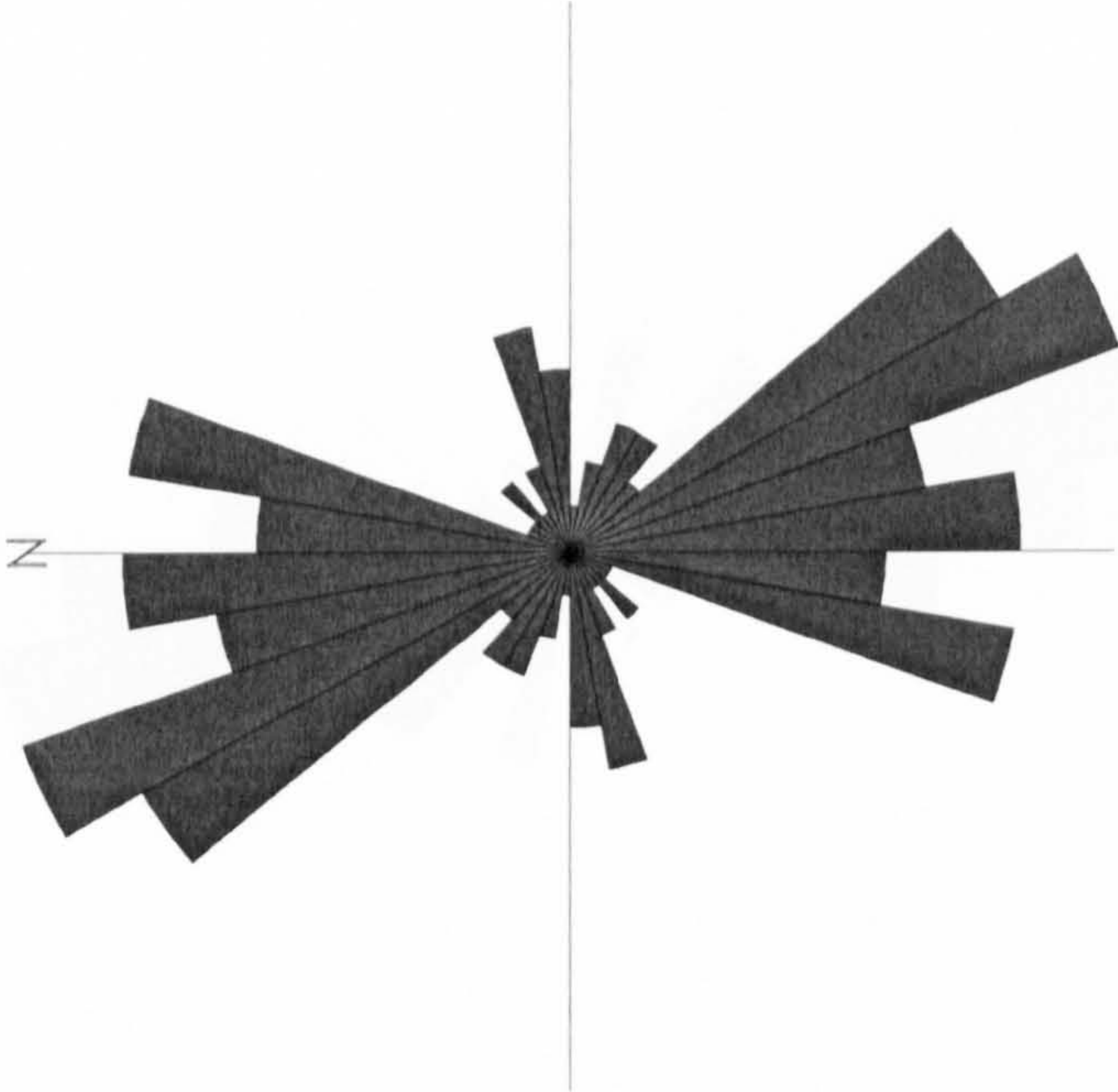
Mean direction = 78.2 <sup>+-</sup> 26.7  
NO OF DATA POINTS 7803 Class 3

Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 961.5 TO 974.0 METRES



Mean direction = 134.0 +- 25.8  
NO OF DATA POINTS 7803 Class 3

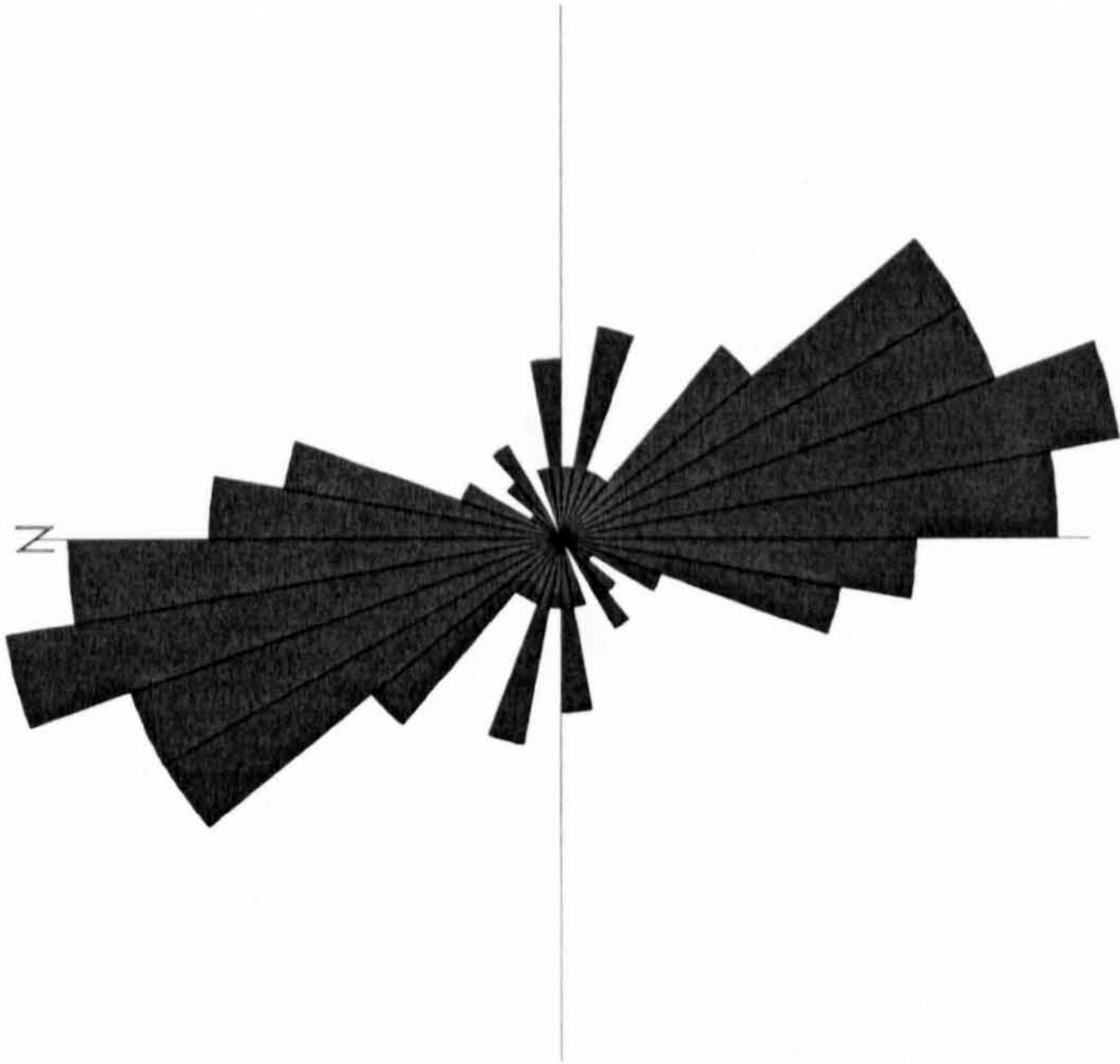
Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 1005.5 TO 1025.5 METRES



Mean direction = 154.5    +-    17.3    Class 1  
NO OF DATA POINTS    7803

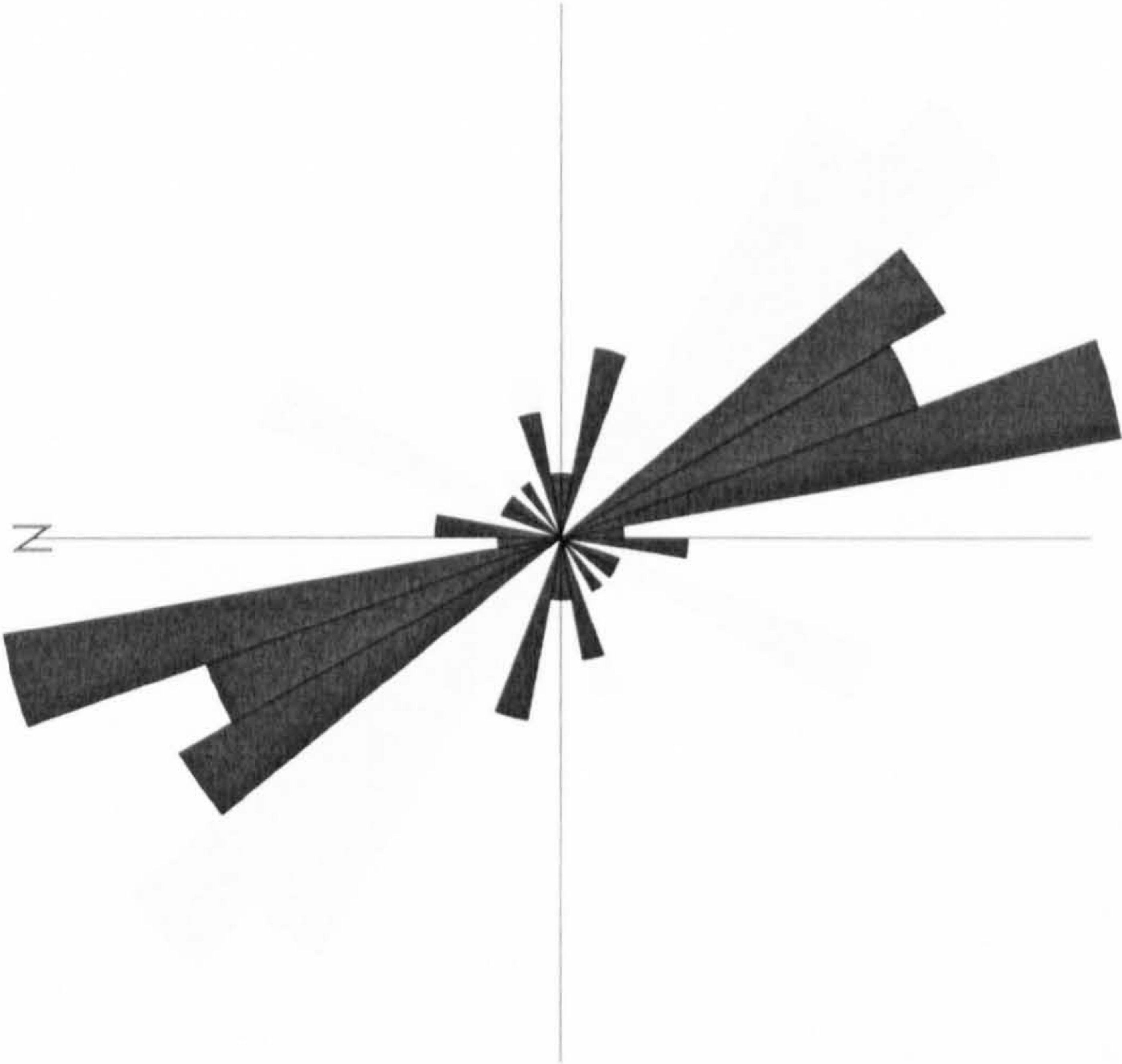


Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 1142.0 TO 1158.0 METRES



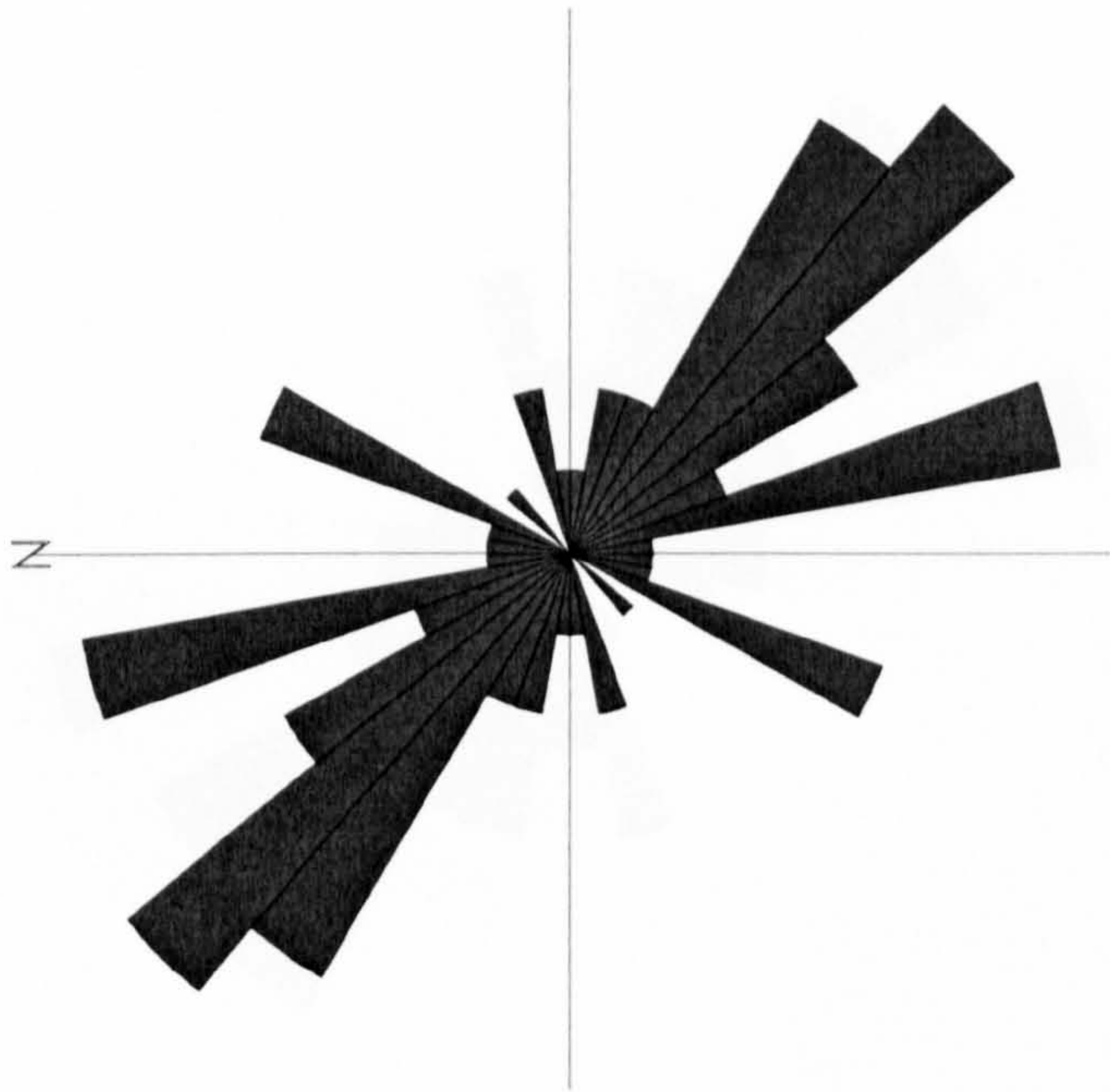
Mean direction = 157.2 +- 14.1 Class 1  
NO OF DATA POINTS 7803

Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 1148.5 TO 1153.0 METRES



Mean direction =	157.1	+ -	10.1	Class 1
NO OF DATA POINTS	7803			

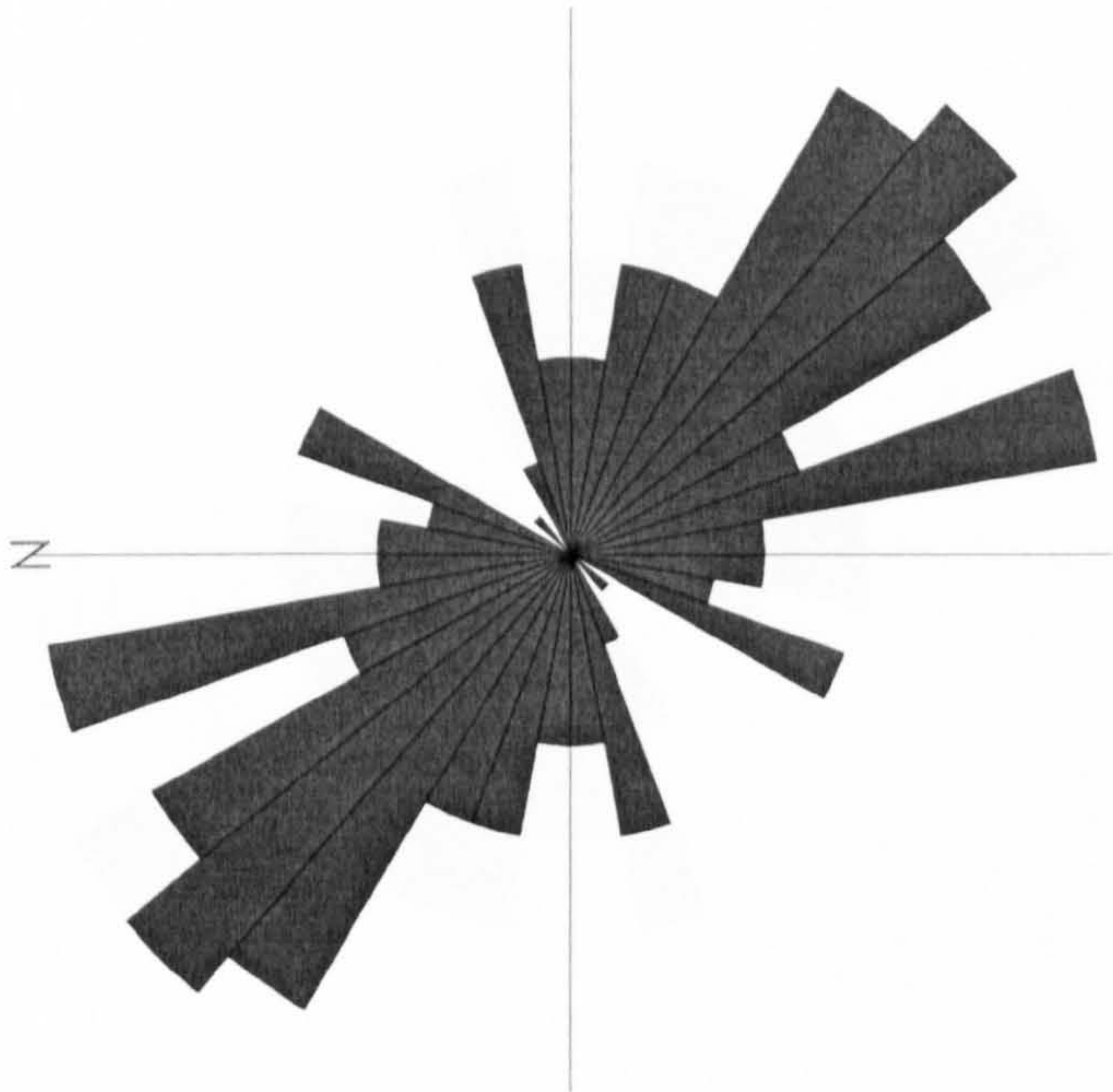
Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 1590.0 TO 1594.5 METRES



Mean direction = 139.0    +-    19.8    Class 1  
NO OF DATA POINTS    7803

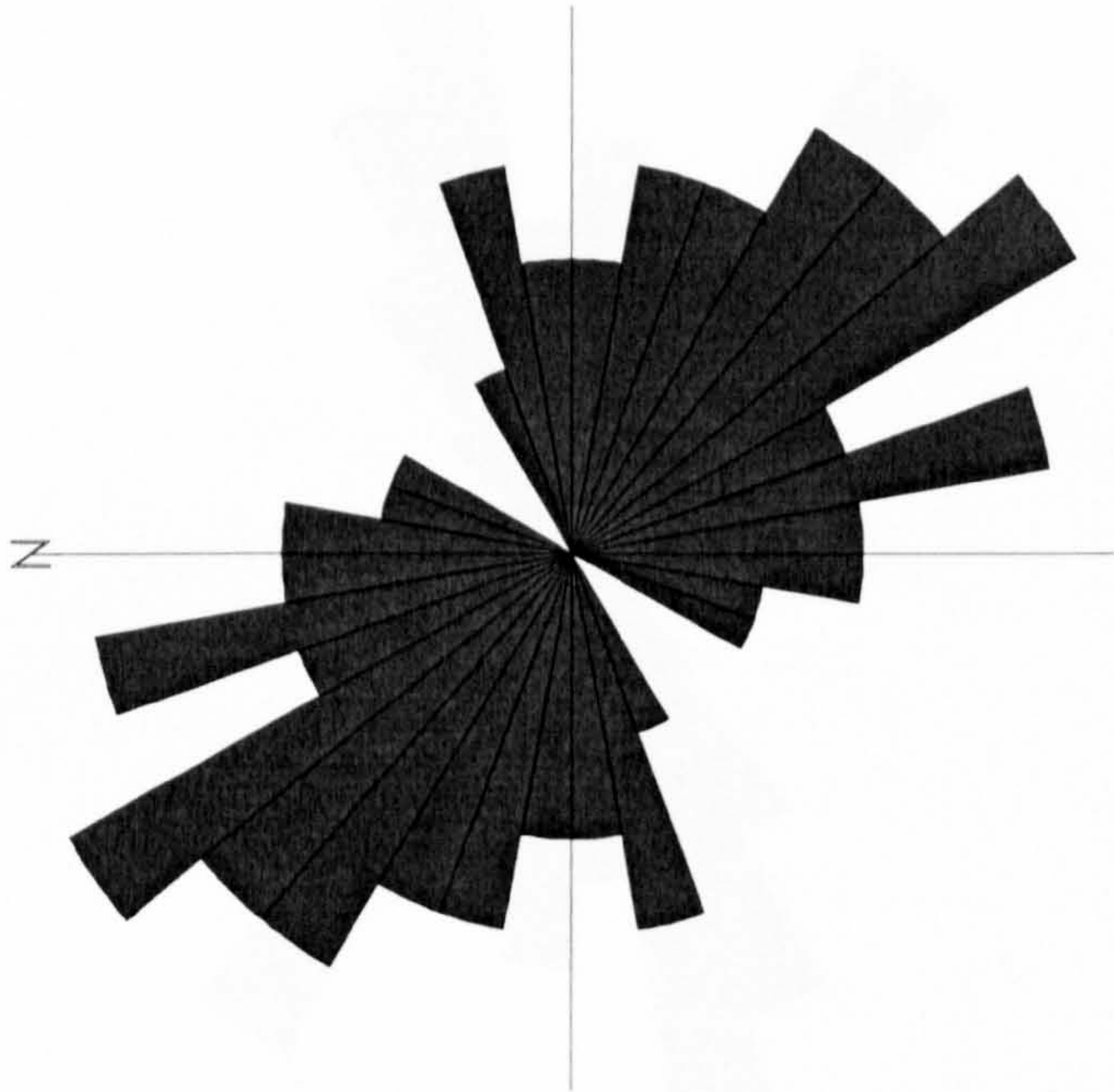


Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 1590.0 TO 1602.0 METRES



Mean direction = 137.0    +-    22.5    Class 3  
NO OF DATA POINTS    7803

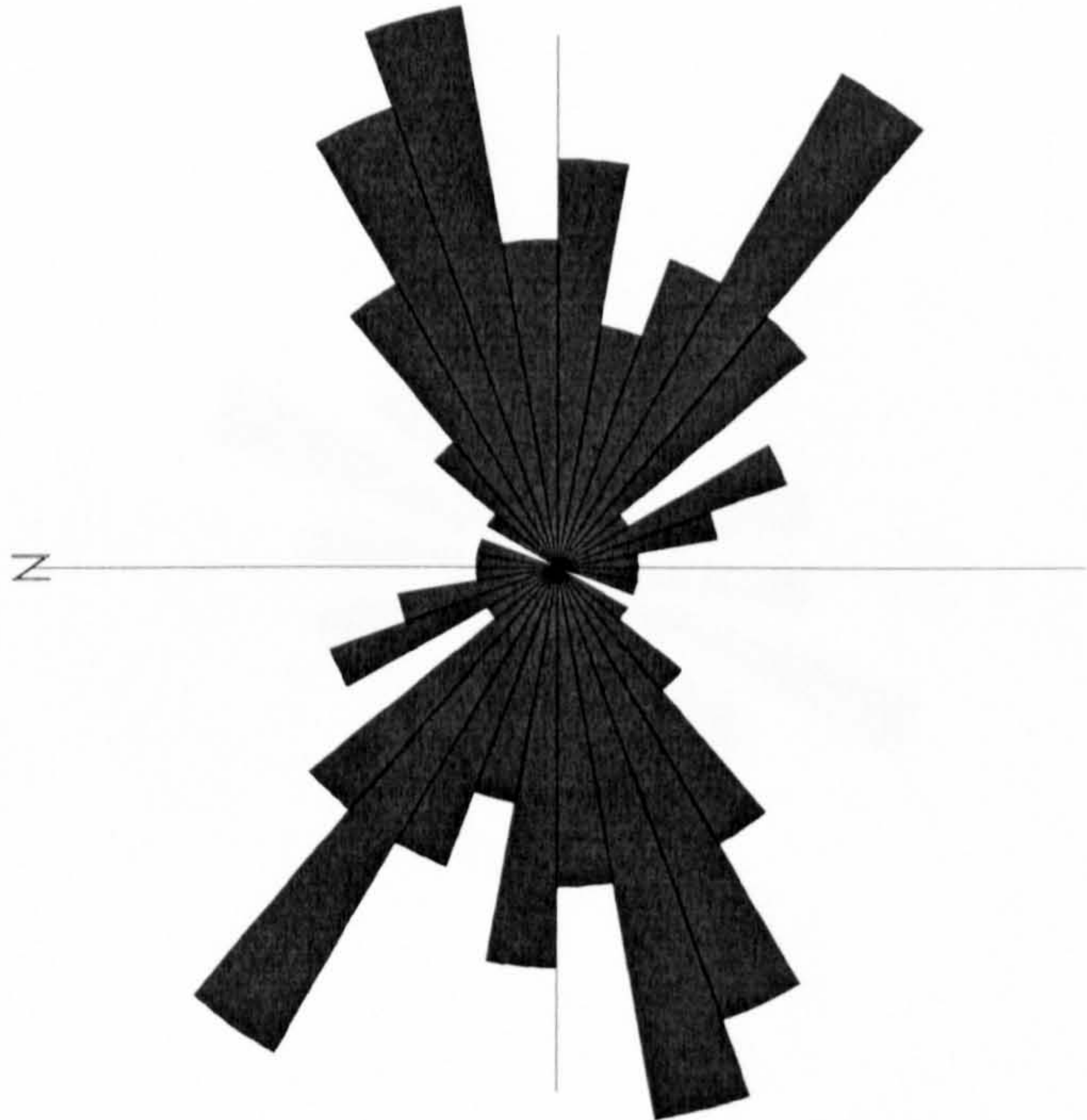
Sellafield 2 Flow Zone  
DEPTH RANGE FROM: 1594.5 TO 1602.0 METRES



Mean direction = 138.8    +-    21.8    Class 3  
NO OF DATA POINTS    7803

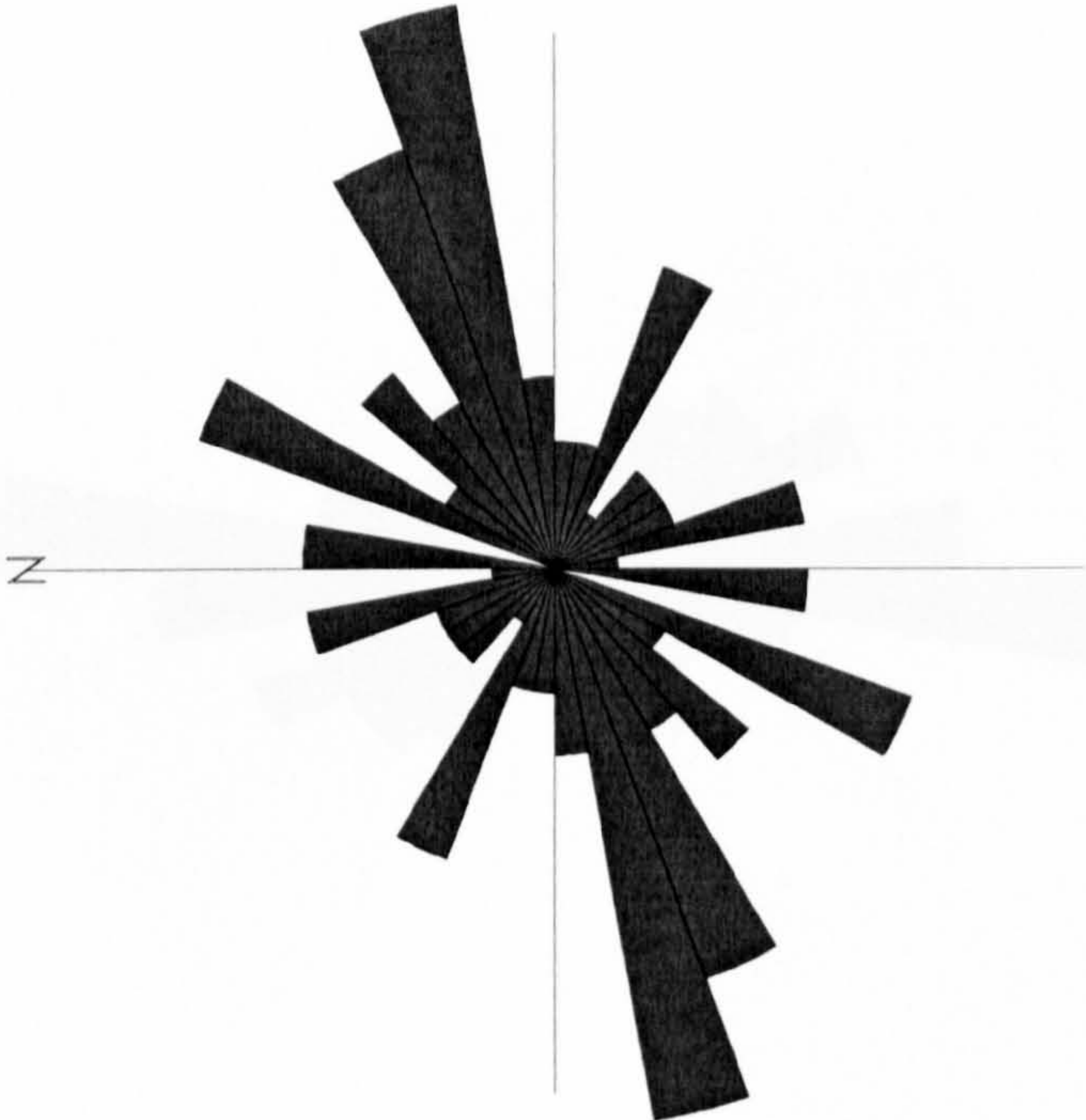


Sellafield 5 Flow Zone  
DEPTH RANGE FROM: 537.5 TO 547.5 METRES



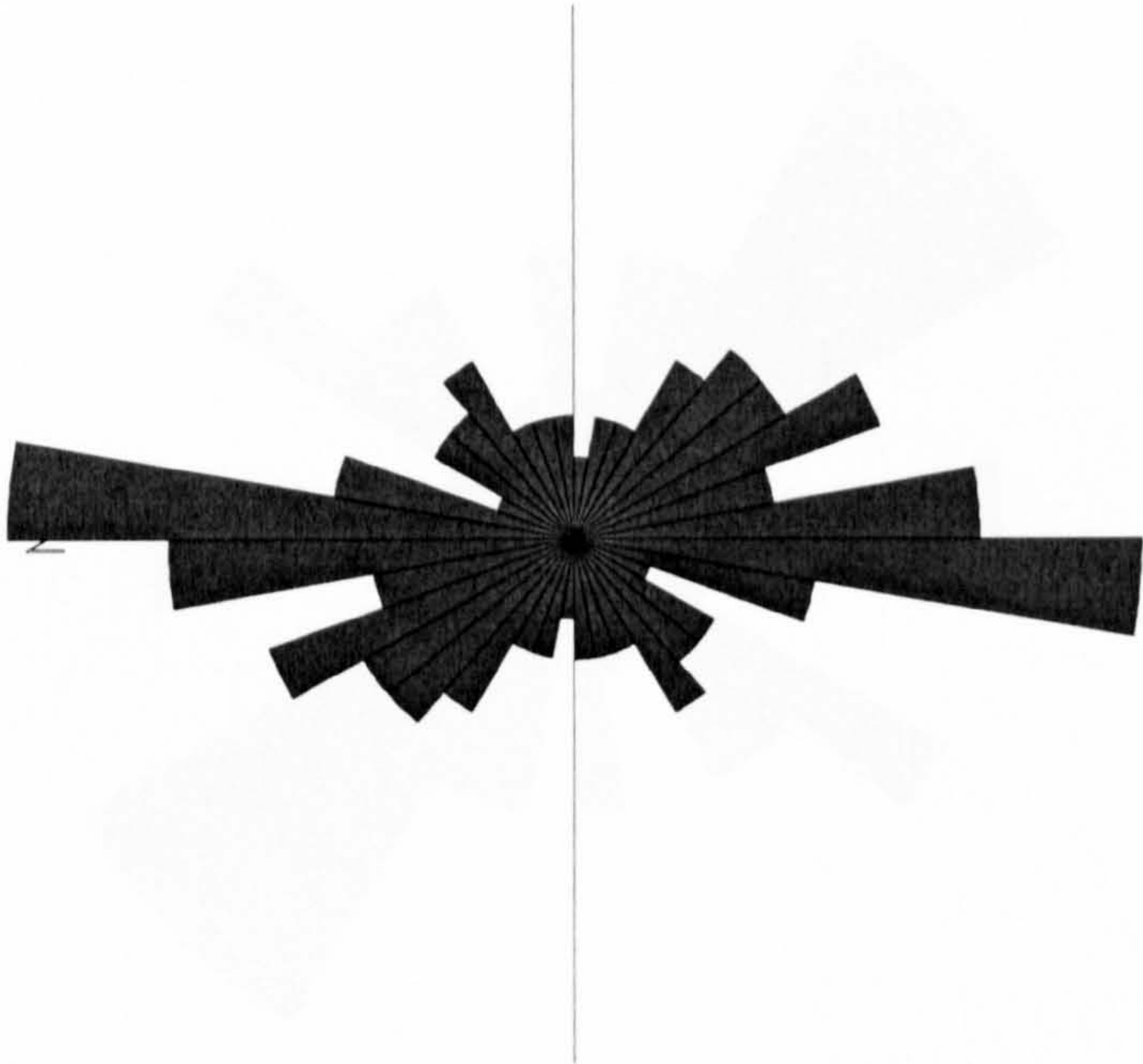
Mean direction = 79.0    +-    21.5    Class 3  
NO OF DATA POINTS    6122

Sellafield 5 Flow Zone  
DEPTH RANGE FROM: 591.0 TO 601.0 METRES



Mean direction = 75.3    +-    23.8    Class 3  
NO OF DATA POINTS    6122

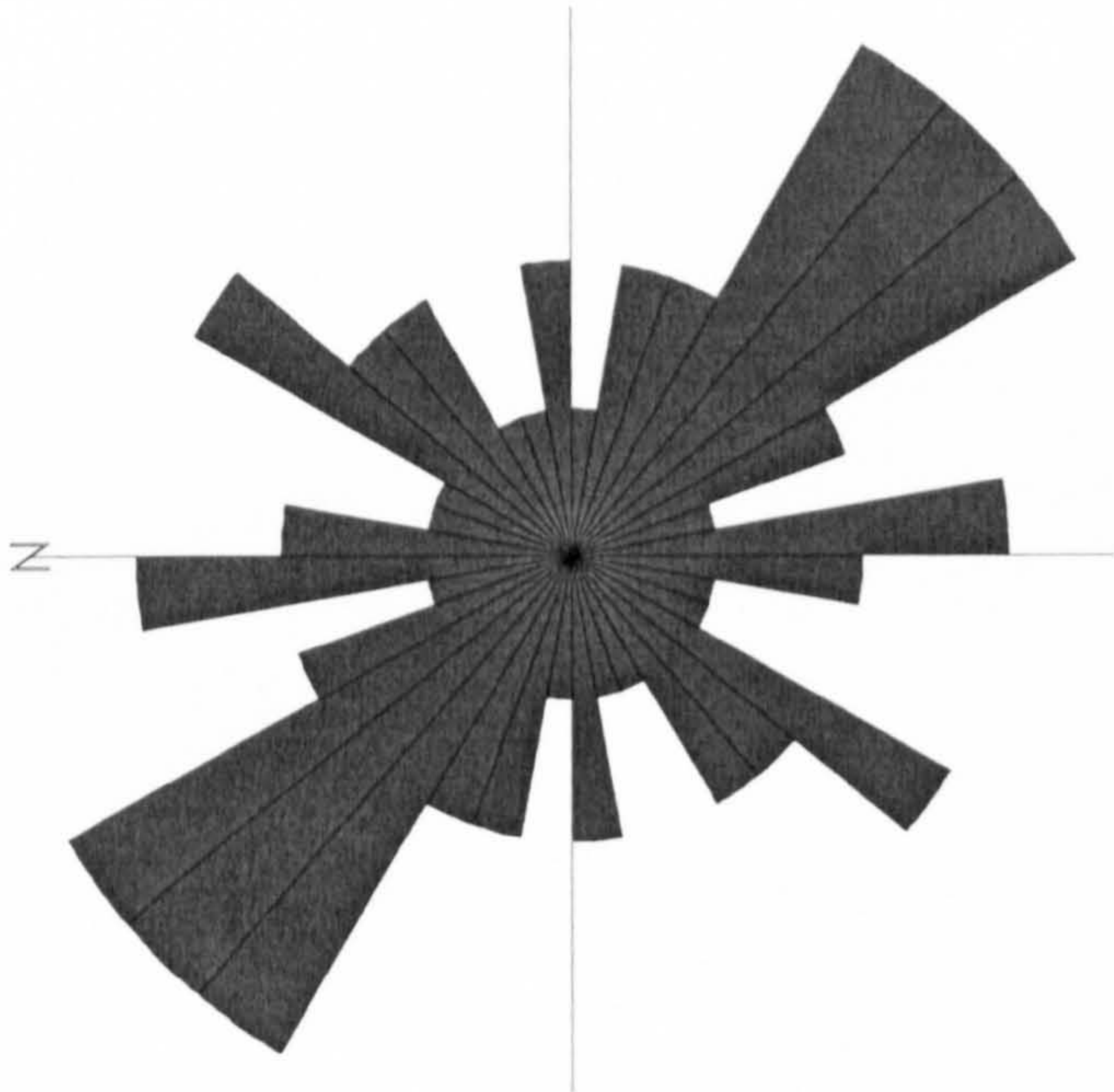
Sellafield 5 Flow Zone  
DEPTH RANGE FROM: 736.5 TO 756.5 METRES



Mean direction = 17.0    +-    15.2    Class 1  
NO OF DATA POINTS    6122

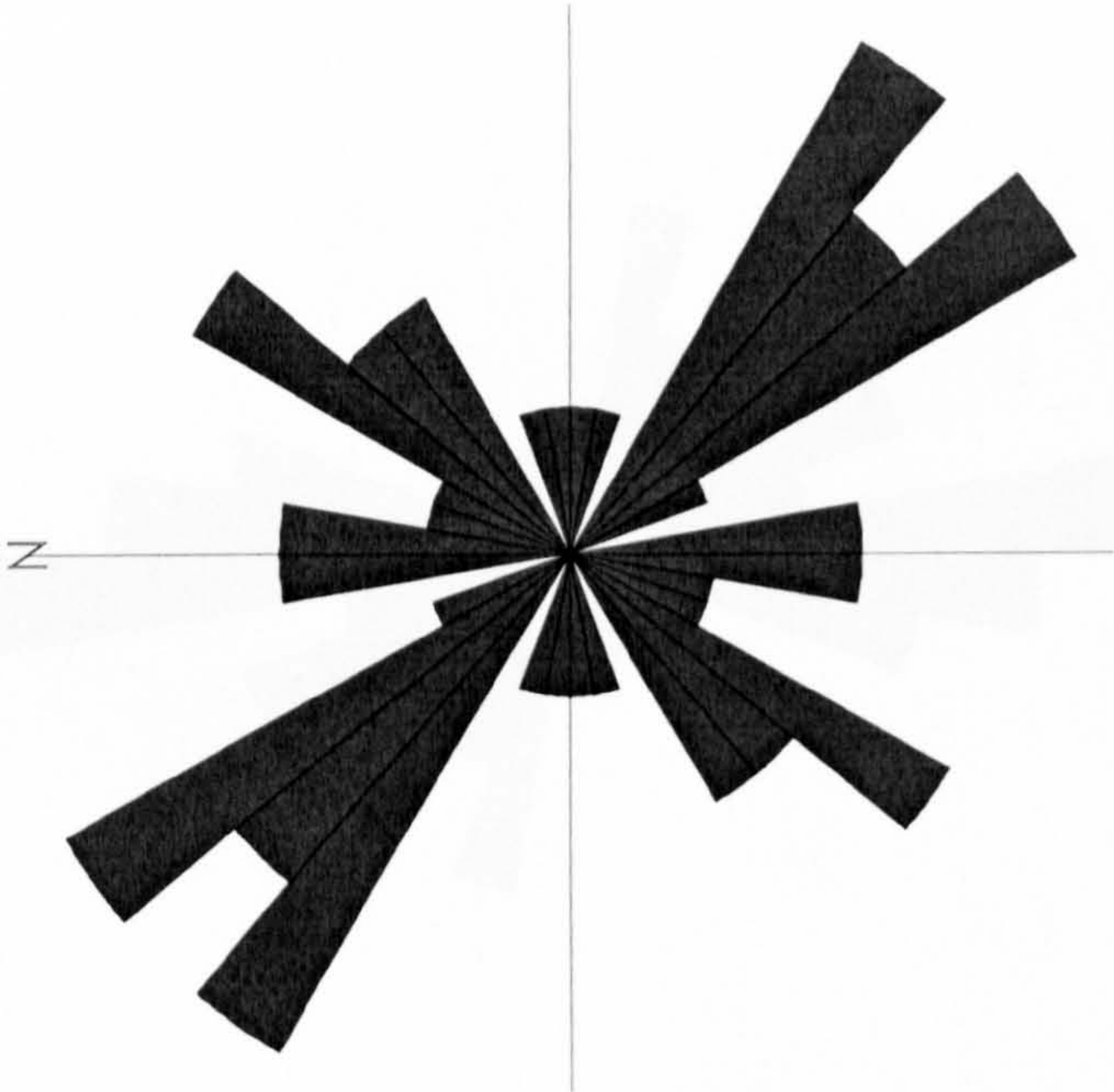


Sellafield 5 Flow Zone  
DEPTH RANGE FROM: 741.5 TO 751.5 METRES



Mean direction = 127.3°  
NO OF DATA POINTS 6122  
Class 3

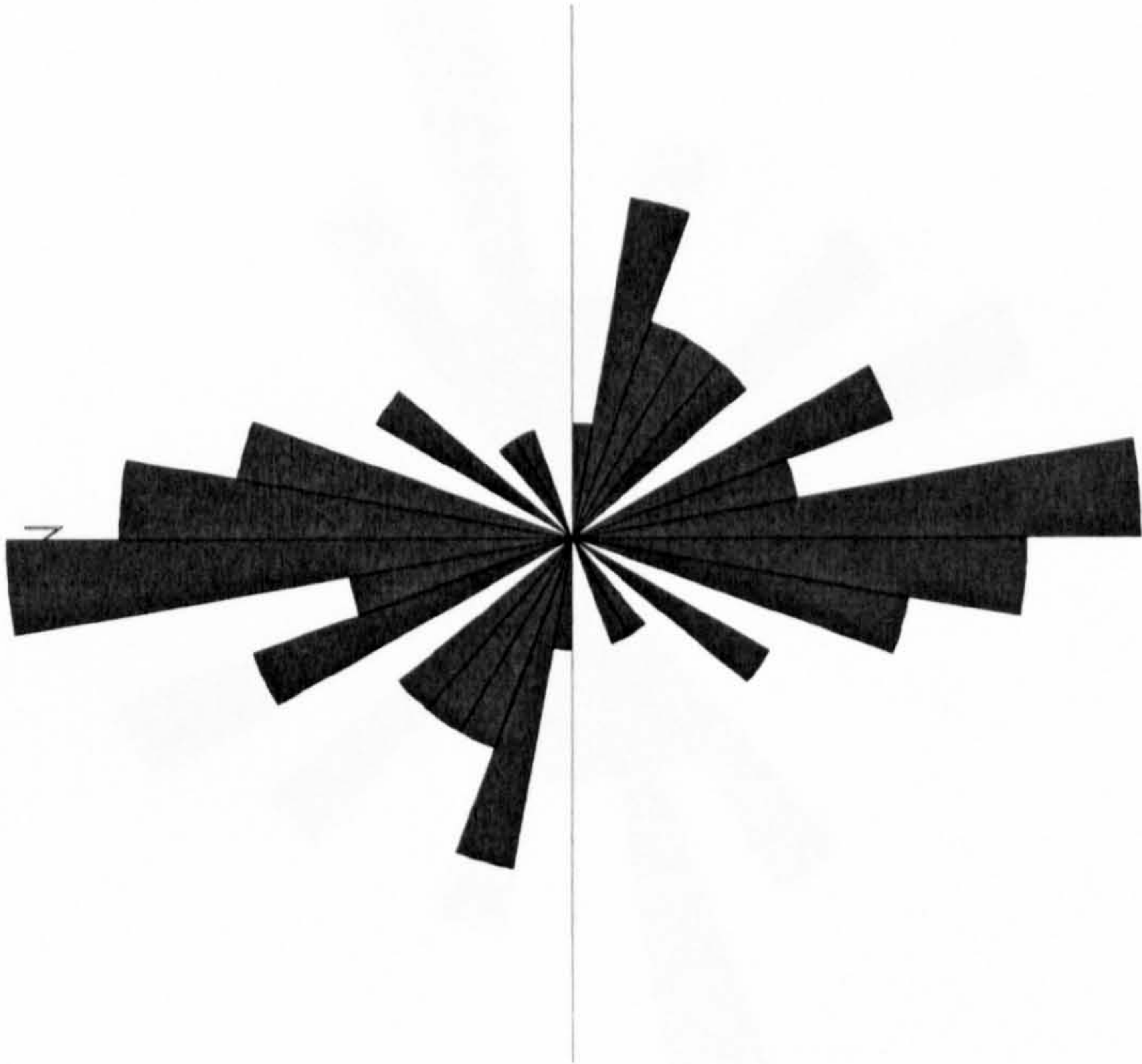
Sellafield 5 Flow Zone  
DEPTH RANGE FROM: 742.0 TO 749.0 METRES



Mean direction = 129.3    +-    19.8    Class 1  
NO OF DATA POINTS    6122

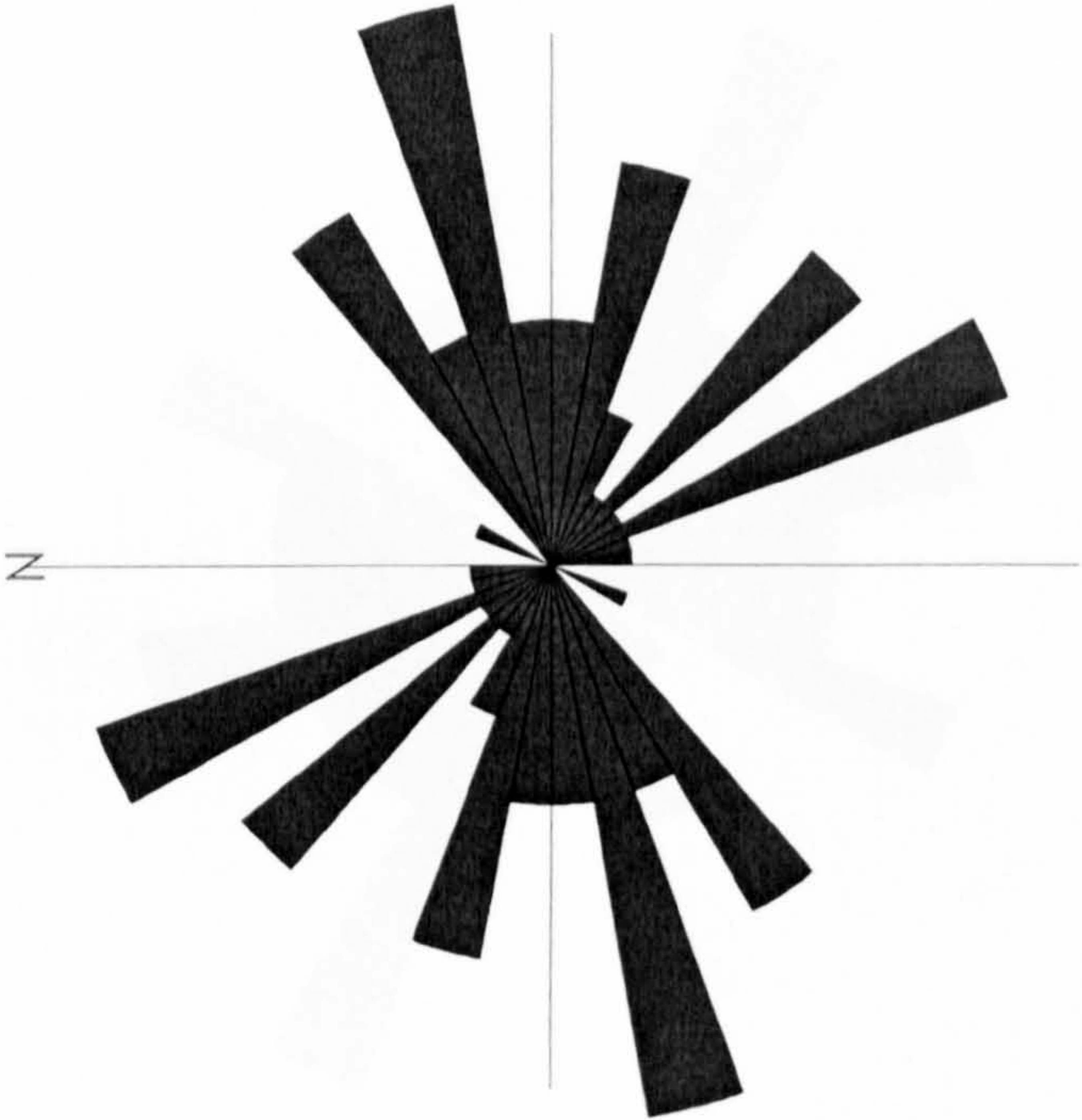


Sellafield 5 Flow Zone  
DEPTH RANGE FROM: 749.5 TO 758.0 METRES



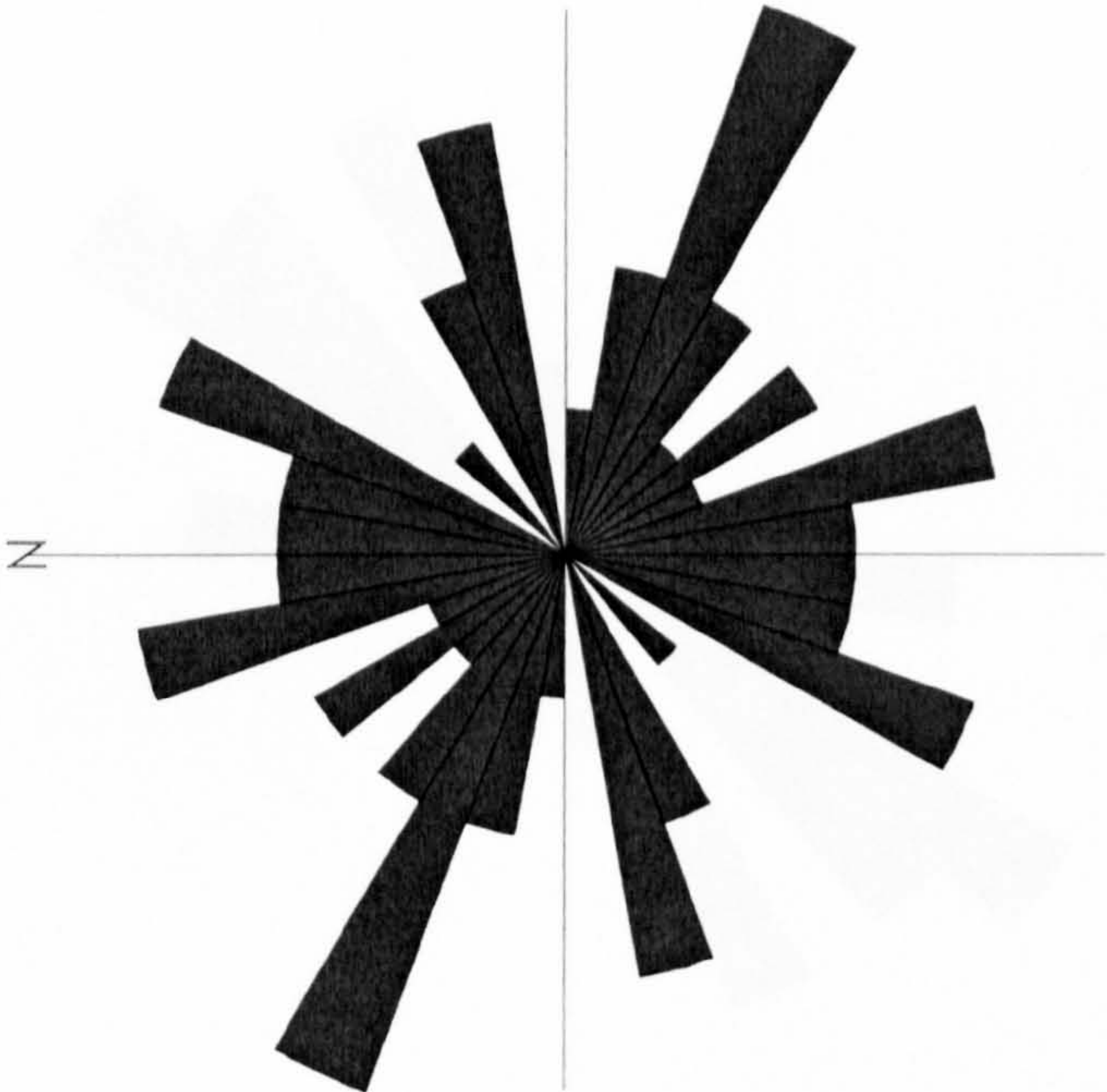
Mean direction = 161.5    +-    14.0    Class 1  
NO OF DATA POINTS    6122

Sellafield 5 Flow Zone  
DEPTH RANGE FROM: 804.0 TO 818.0 METRES



Mean direction = 81.8 + - 19.8  
NO OF DATA POINTS 6122 Class 1

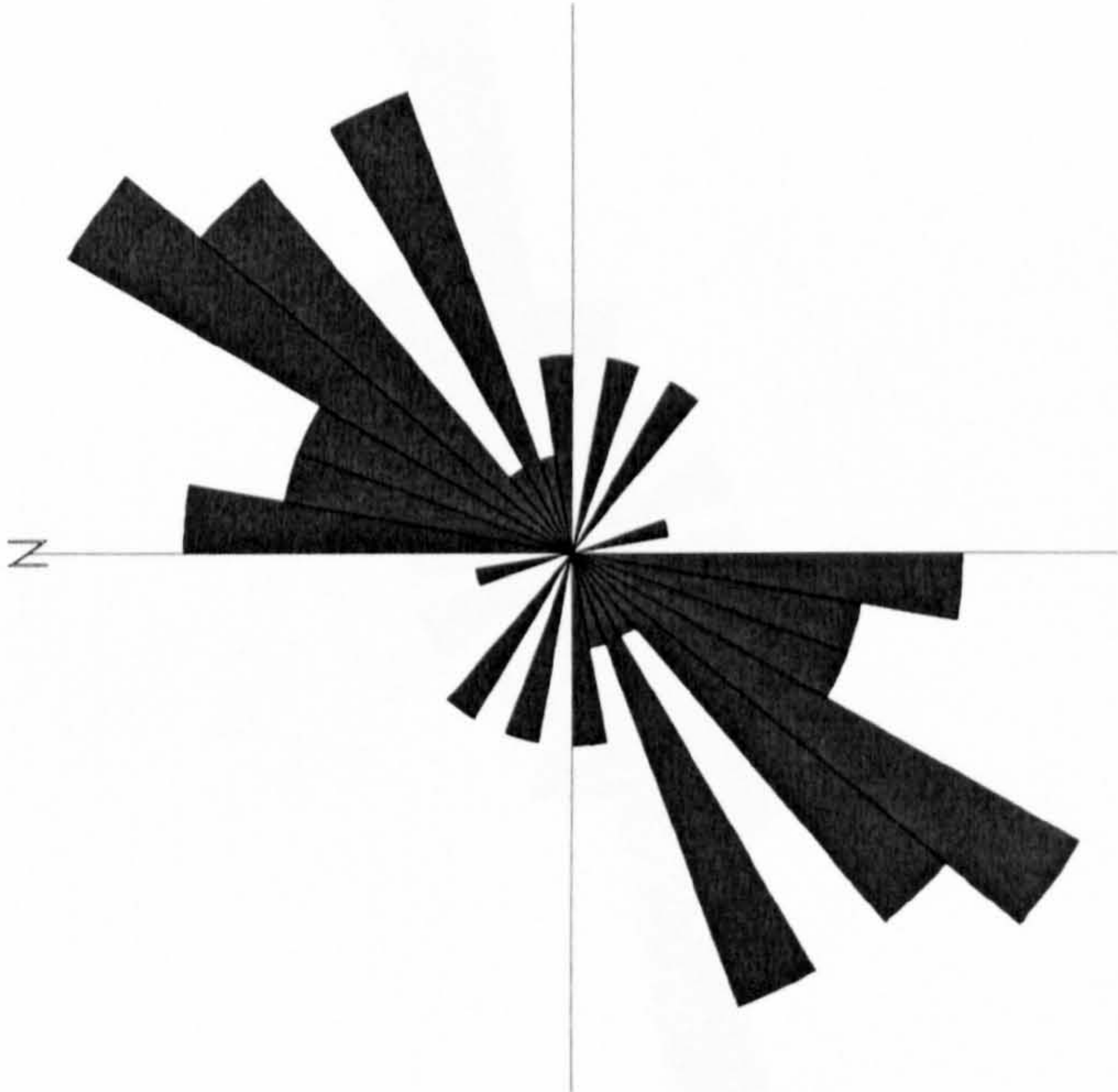
Sellafeld 5 Flow Zone  
DEPTH RANGE FROM: 836.5 TO 846.5 METRES



Mean direction = 114.1 +<sup>+</sup>-<sup>-</sup>  
NO OF DATA POINTS 24.8 6122 Class 3

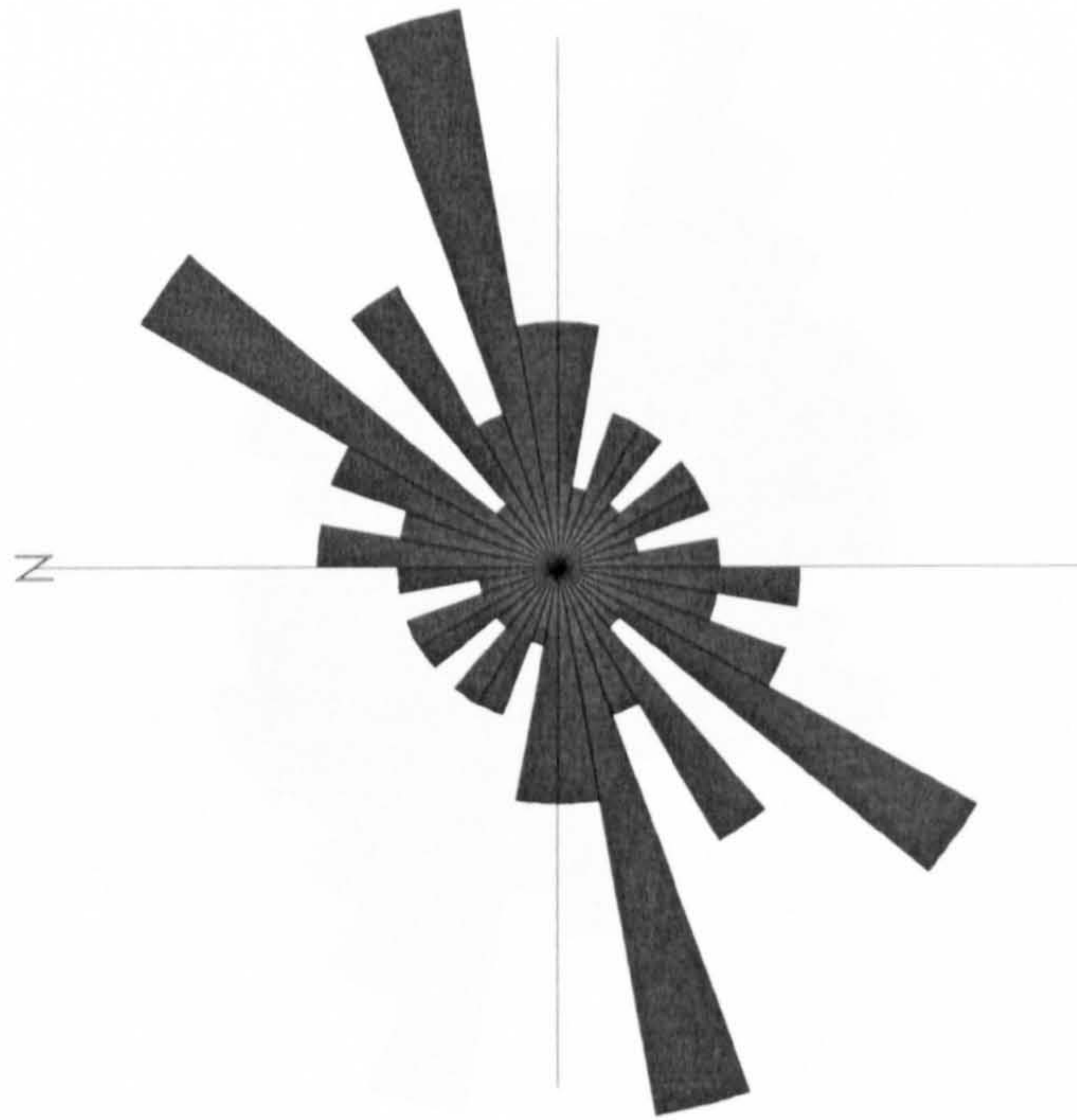


Sellafield 5 Flow Zone  
DEPTH RANGE FROM: 882.5 TO 892.5 METRES



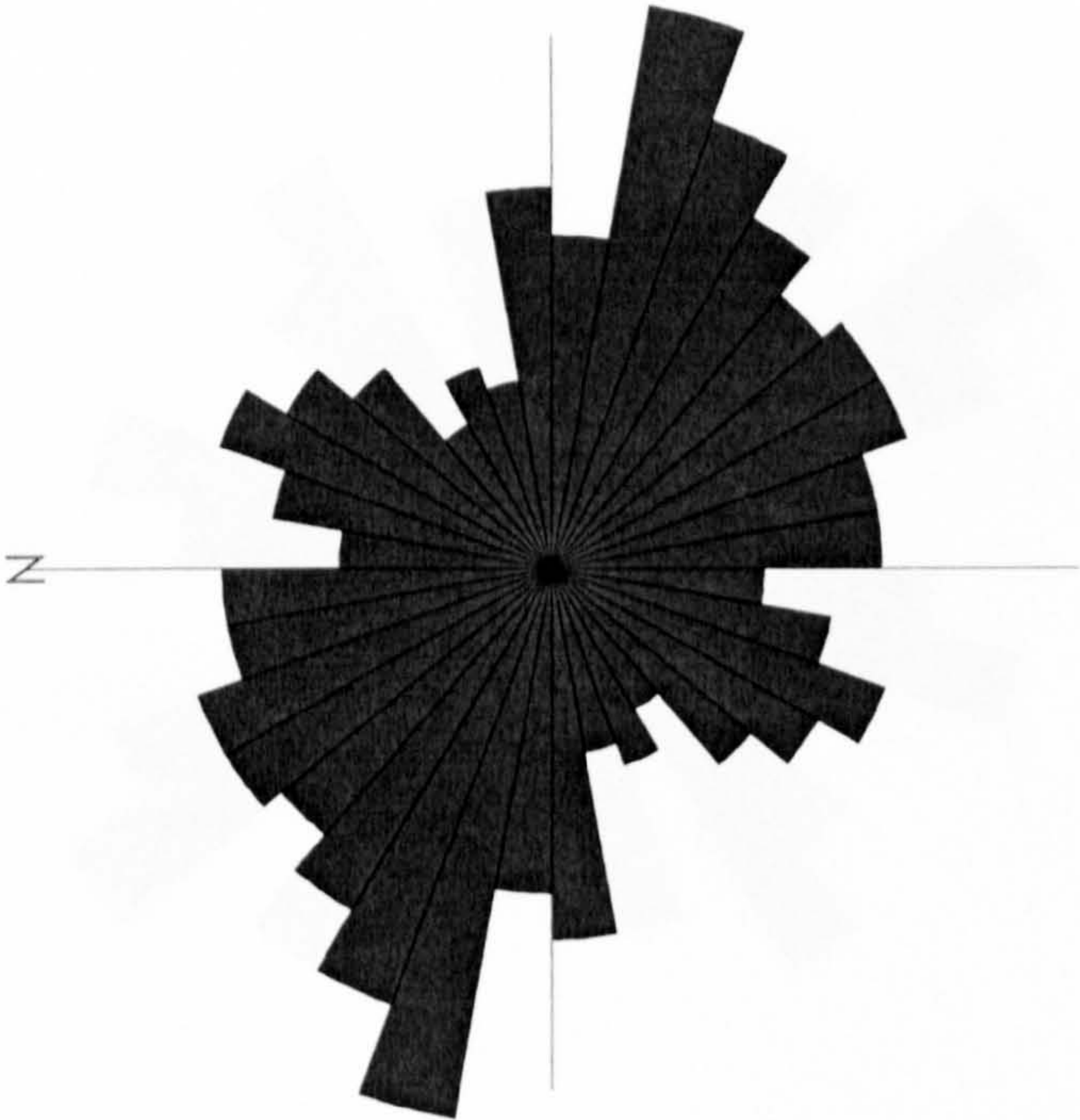
Mean direction = 36.9    +-    20.5    Class 3  
NO OF DATA POINTS    6122

Sellafeld 8a Flow Zone  
DEPTH RANGE FROM: 227.0 TO 237.0 METRES



Mean direction = 68.6    +-    24.8    Class 3  
NO OF DATA POINTS    7144

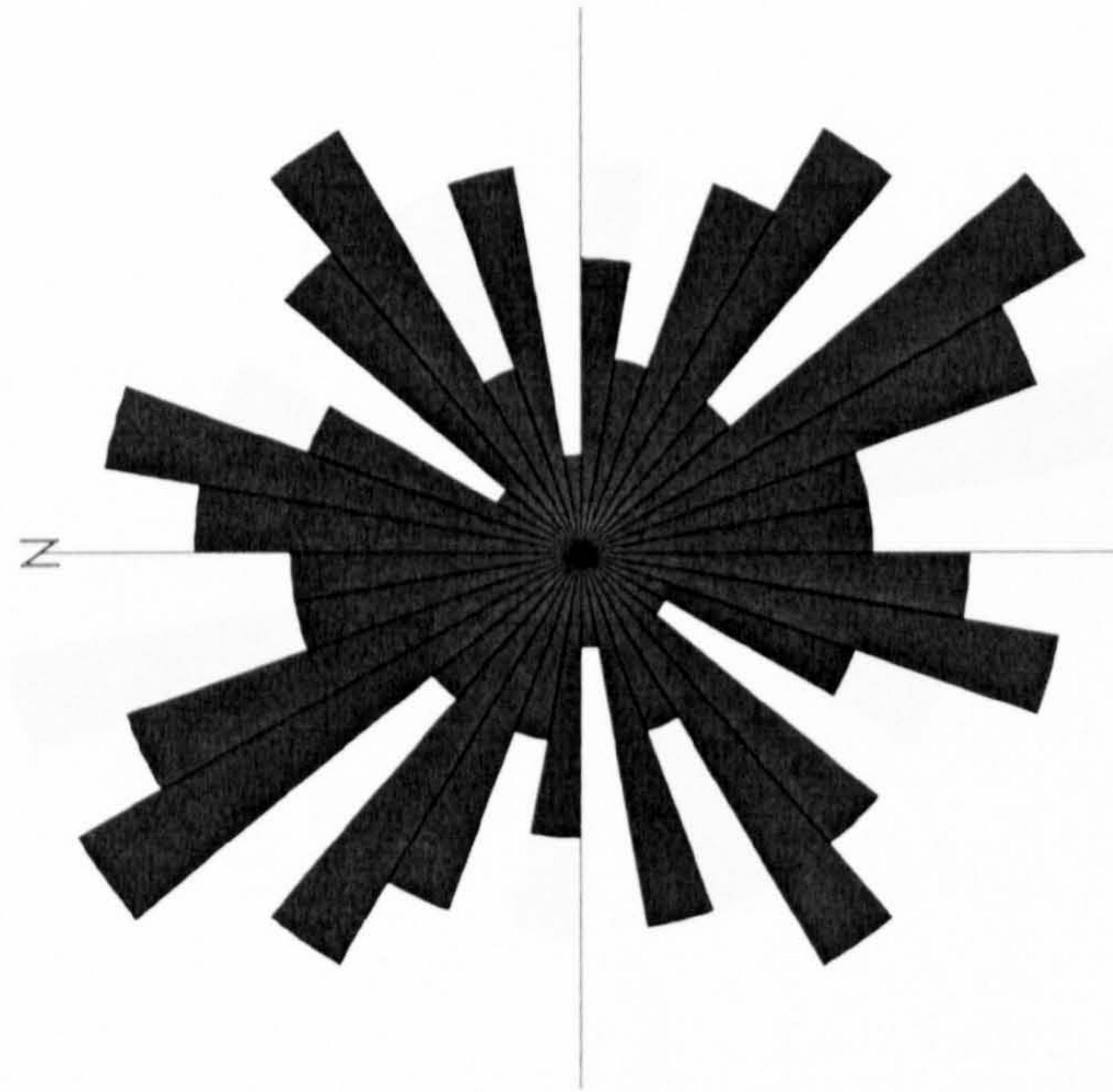
Sellafield 8a Flow Zone  
DEPTH RANGE FROM: 339.5 TO 364.5 METRES



Mean direction = 109.1 +- 23.0  
NO OF DATA POINTS 7144 Class 3

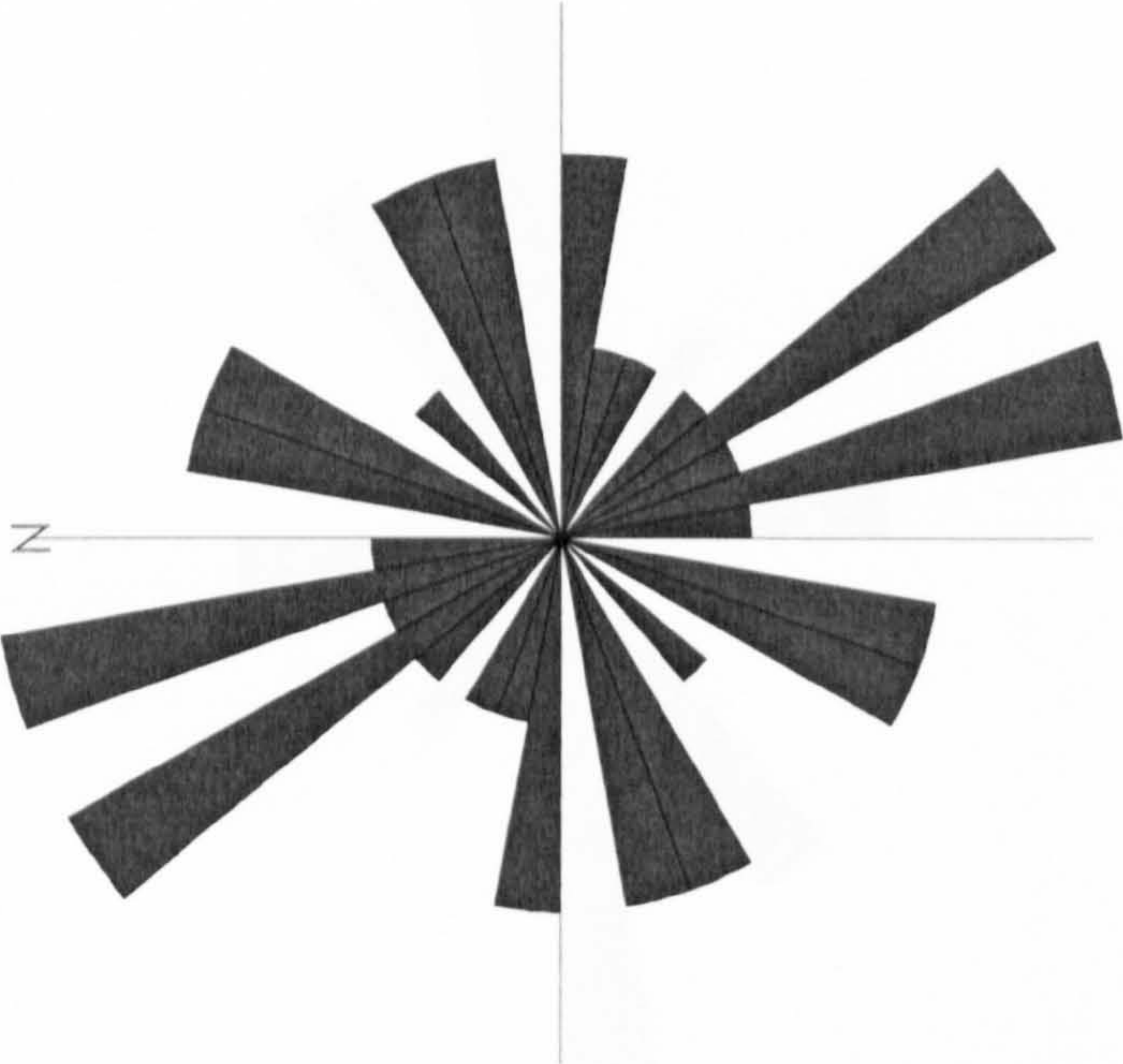


Sellafield 8a Flow Zone  
DEPTH RANGE FROM: 692.0 TO 701.0 METRES



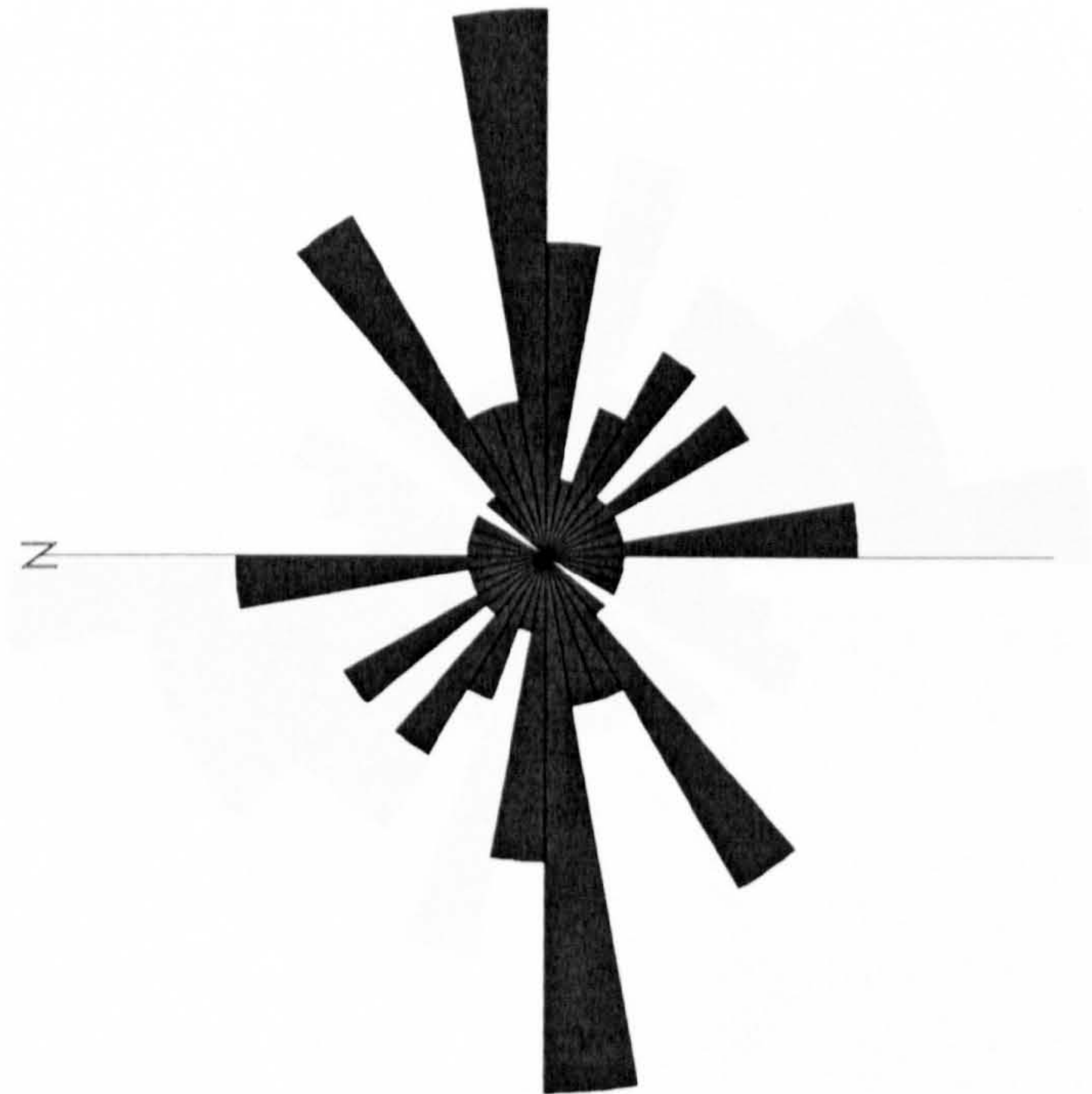
Mean direction = 140.6    +-    21.7    Class 3  
NO OF DATA POINTS    7144

Sellafeld 8a Flow Zone  
DEPTH RANGE FROM: 734.0 TO 738.0 METRES



Mean direction = 147.0    +-    21.8    Class 3  
NO OF DATA POINTS    7144

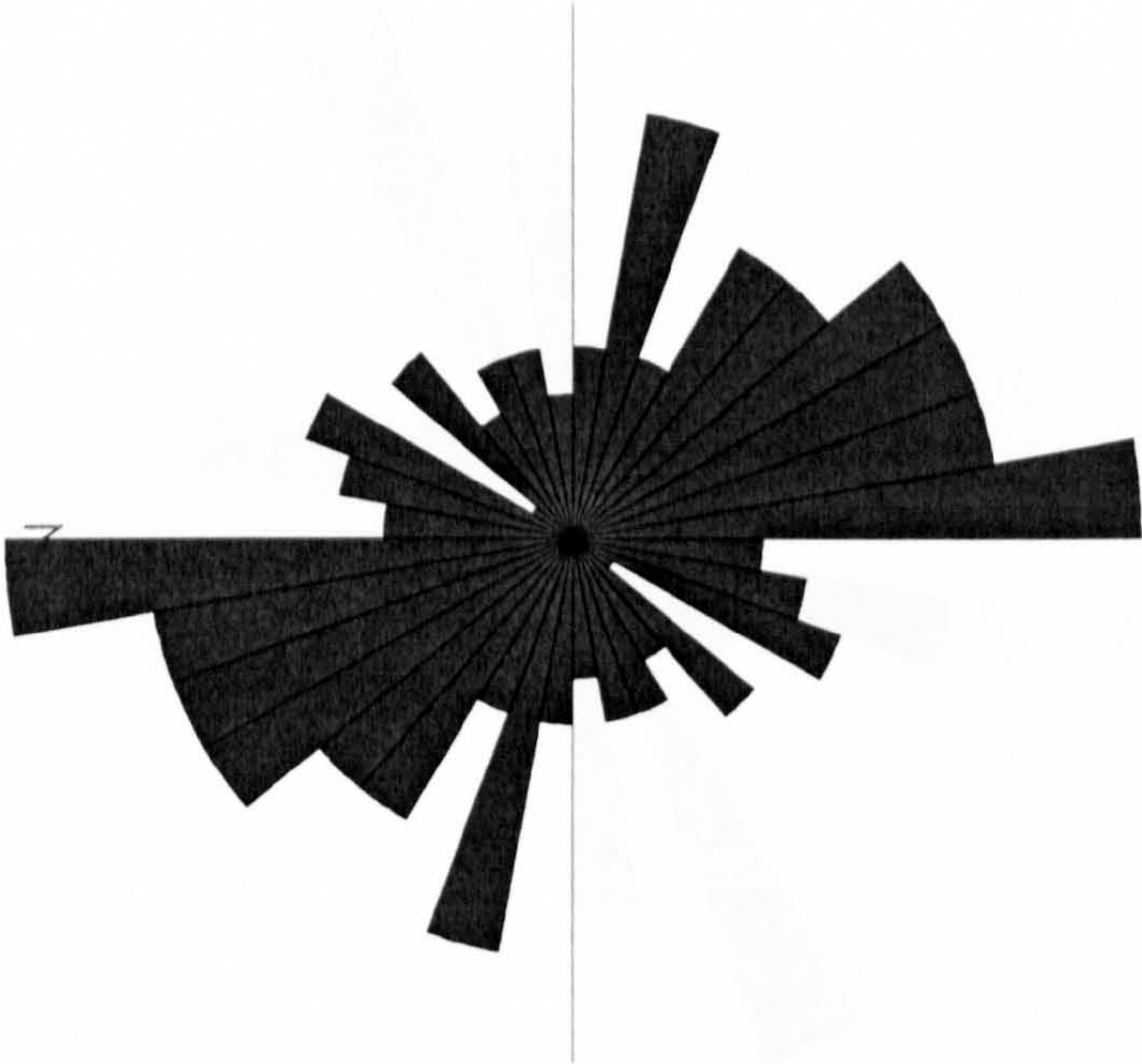
Sellafield 8a Flow Zone  
DEPTH RANGE FROM: 755.2 TO 760.0 METRES



Mean direction =	85.0	+ -	24.3	Class 3
NO OF DATA POINTS	7144			

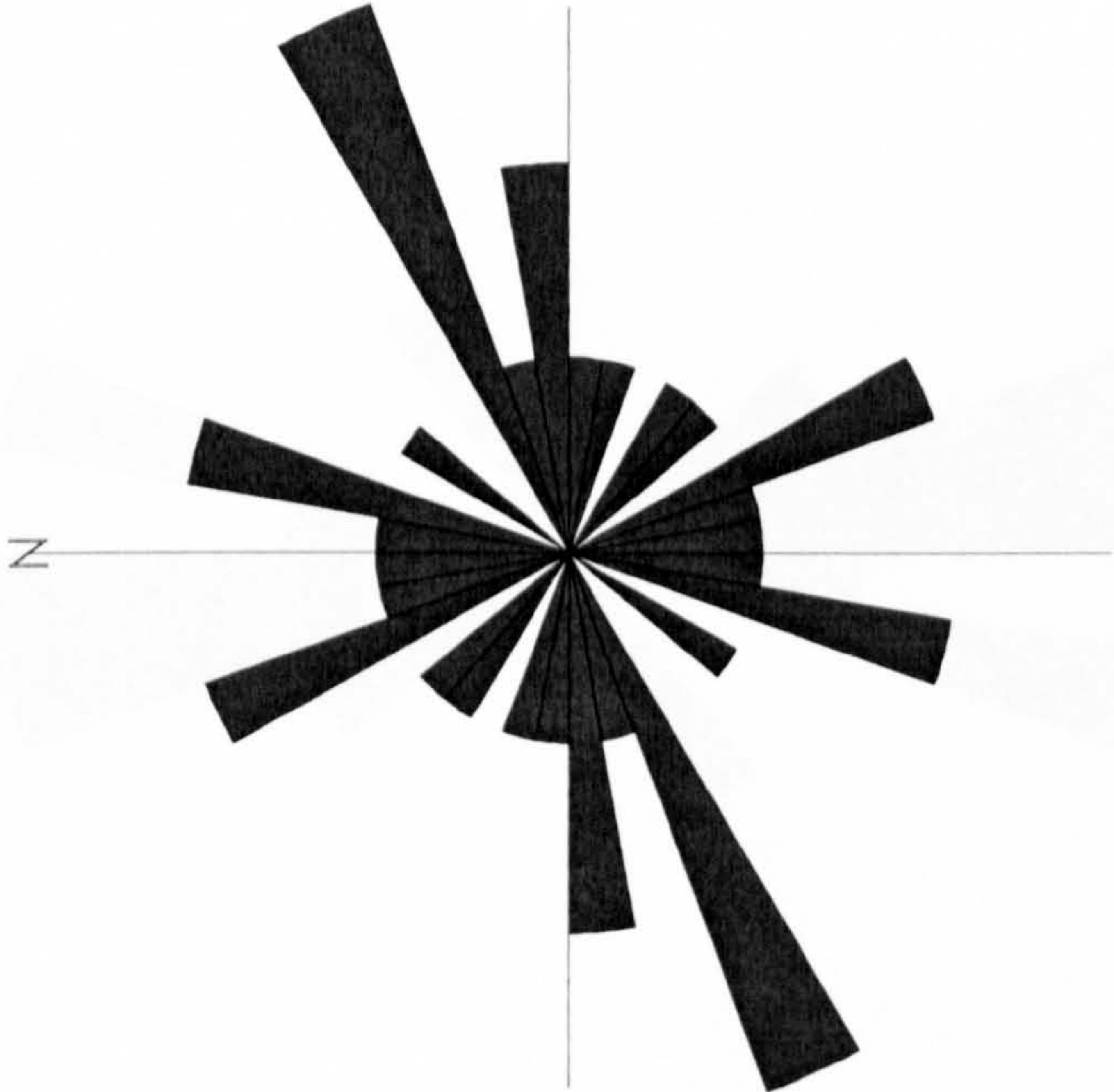


Sellafeld 8a Flow Zone  
DEPTH RANGE FROM: 883.0 TO 895.5 METRES



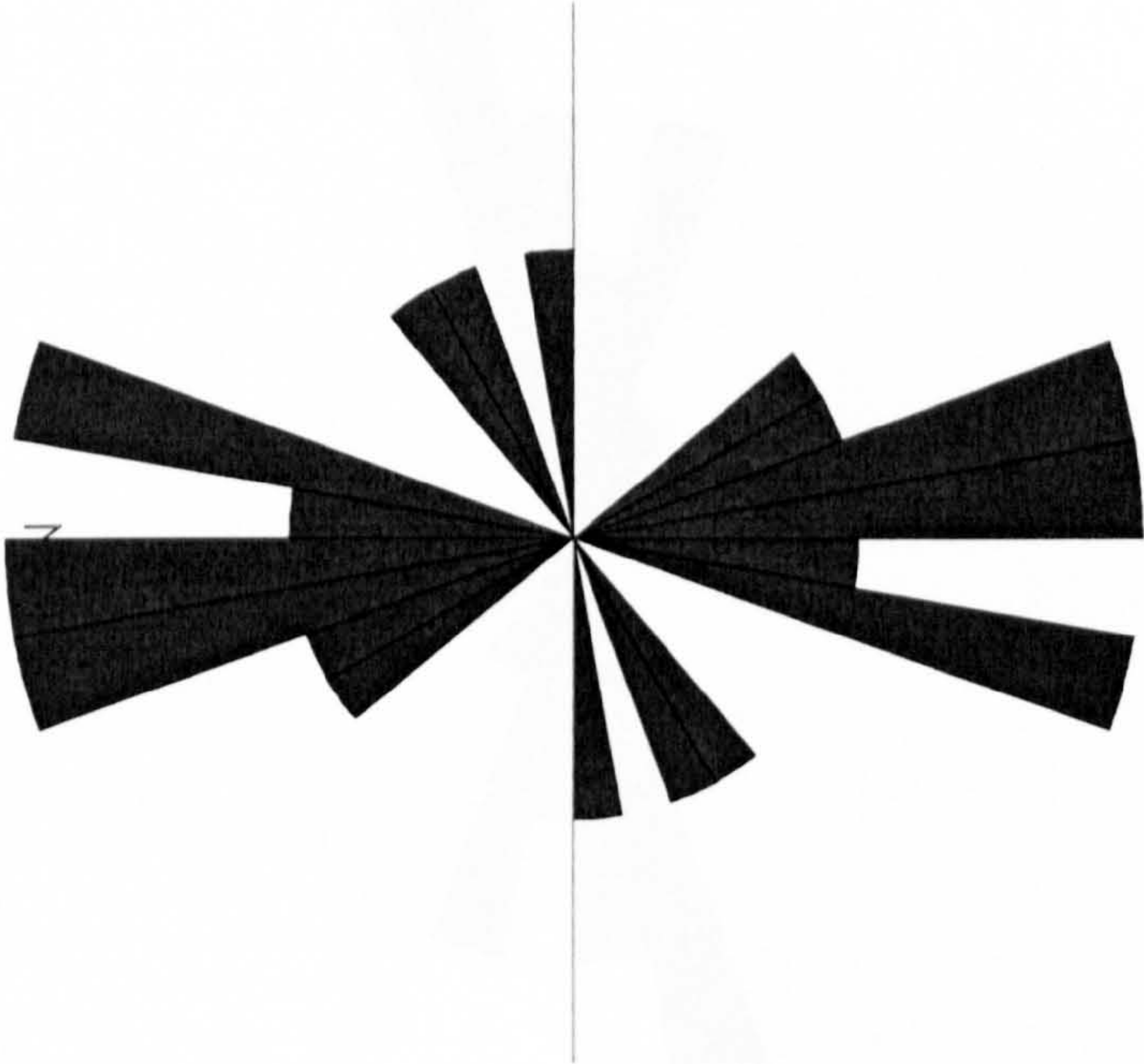
Mean direction = 157.4    +-    14.4    Class 1  
NO OF DATA POINTS    7144

Sellafield 8a Flow Zone  
DEPTH RANGE FROM: 952.0 TO 956.0 METRES



Mean direction = 75.7    +-    19.8    Class 1  
NO OF DATA POINTS    7144

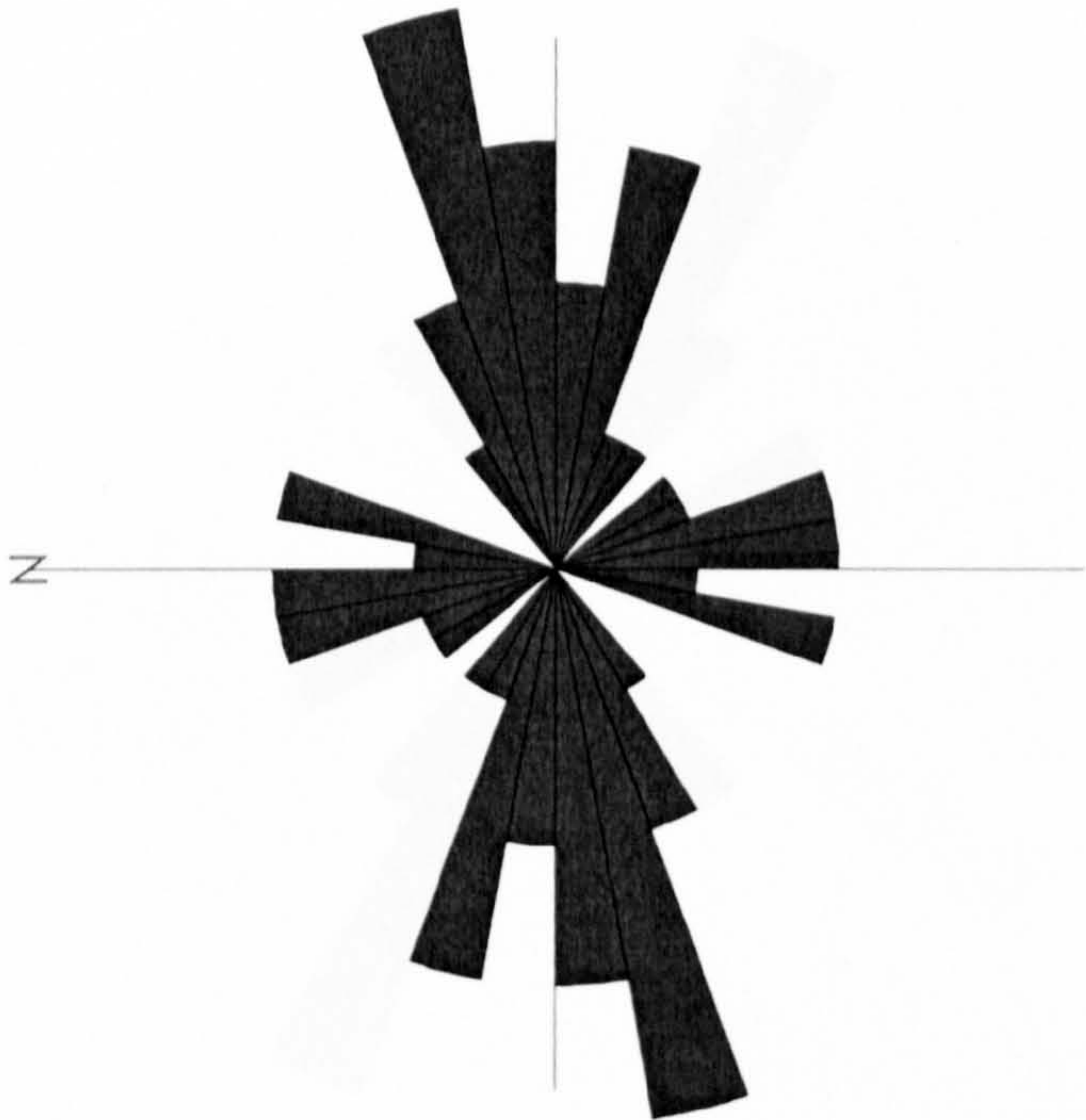
Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 878.5 TO 885.0 METRES



Mean direction = 21.8    +-    19.9    Class 1  
NO OF DATA POINTS    5213

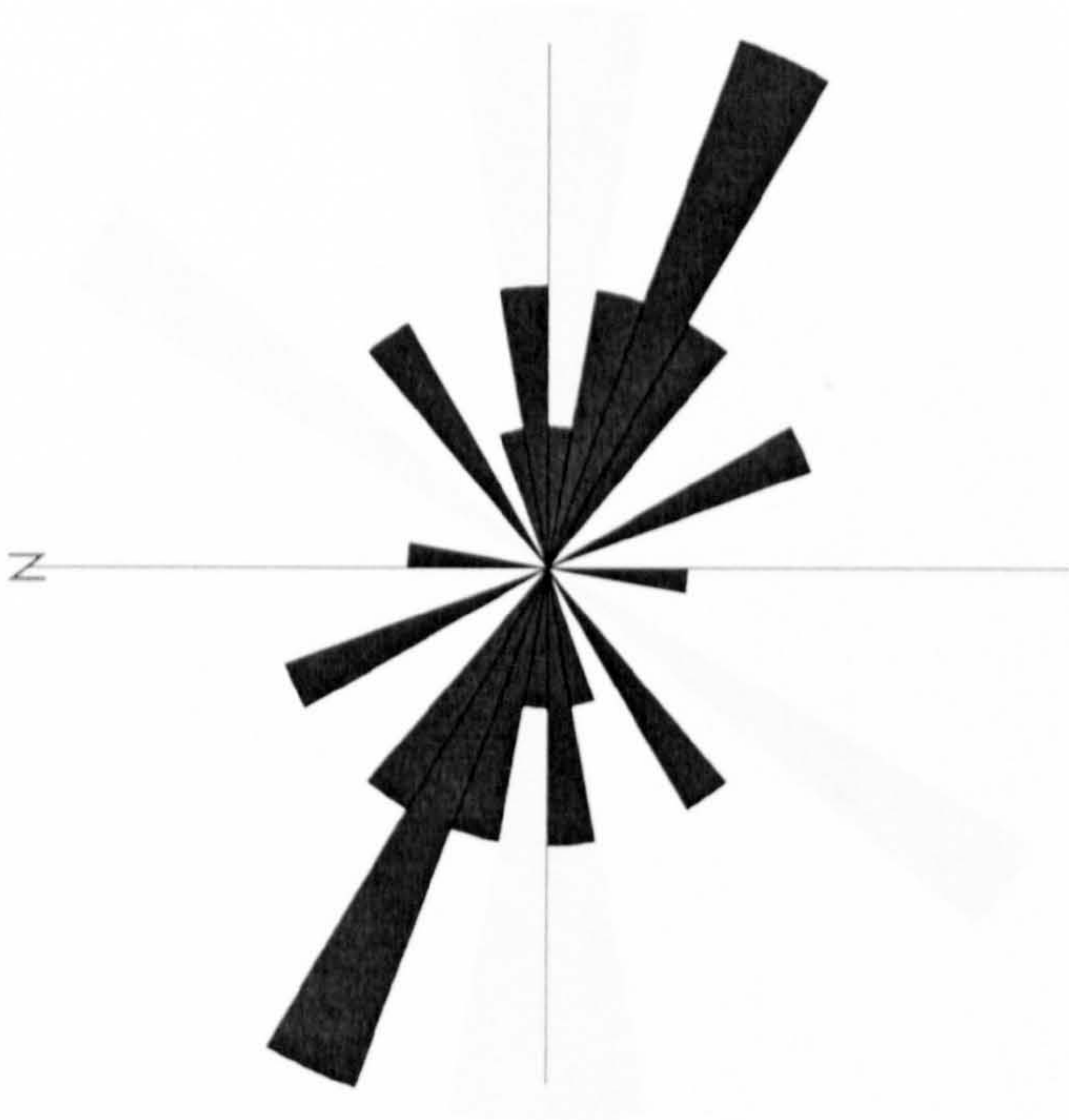


Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 869.0 TO 889.0 METRES



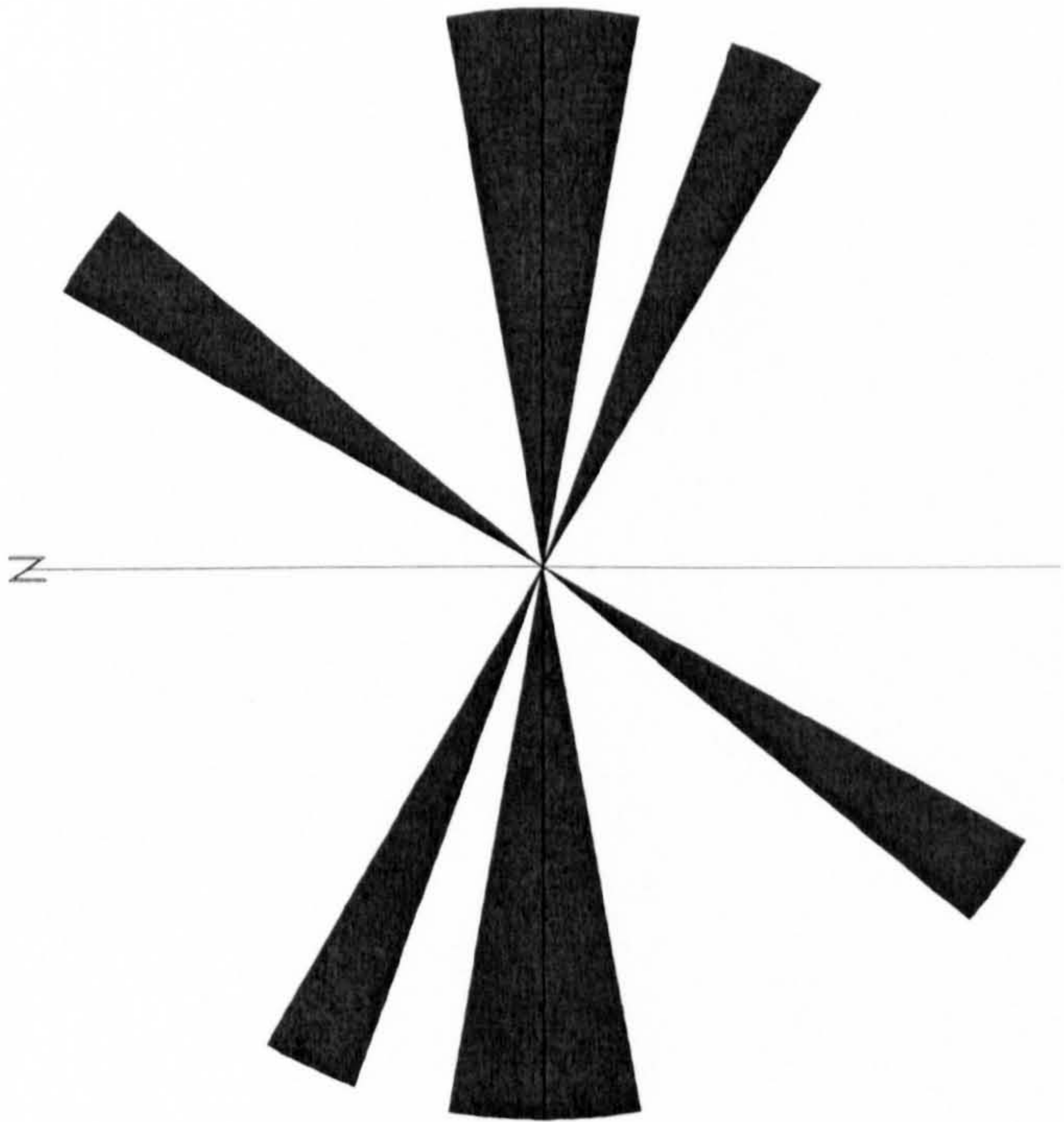
Mean direction = 84.7    +-    17.5    Class 1  
NO OF DATA POINTS    5213

Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 973.0 TO 978.0 METRES



Mean direction = 111.7 + - 23.6  
NO OF DATA POINTS 5213 Class 3

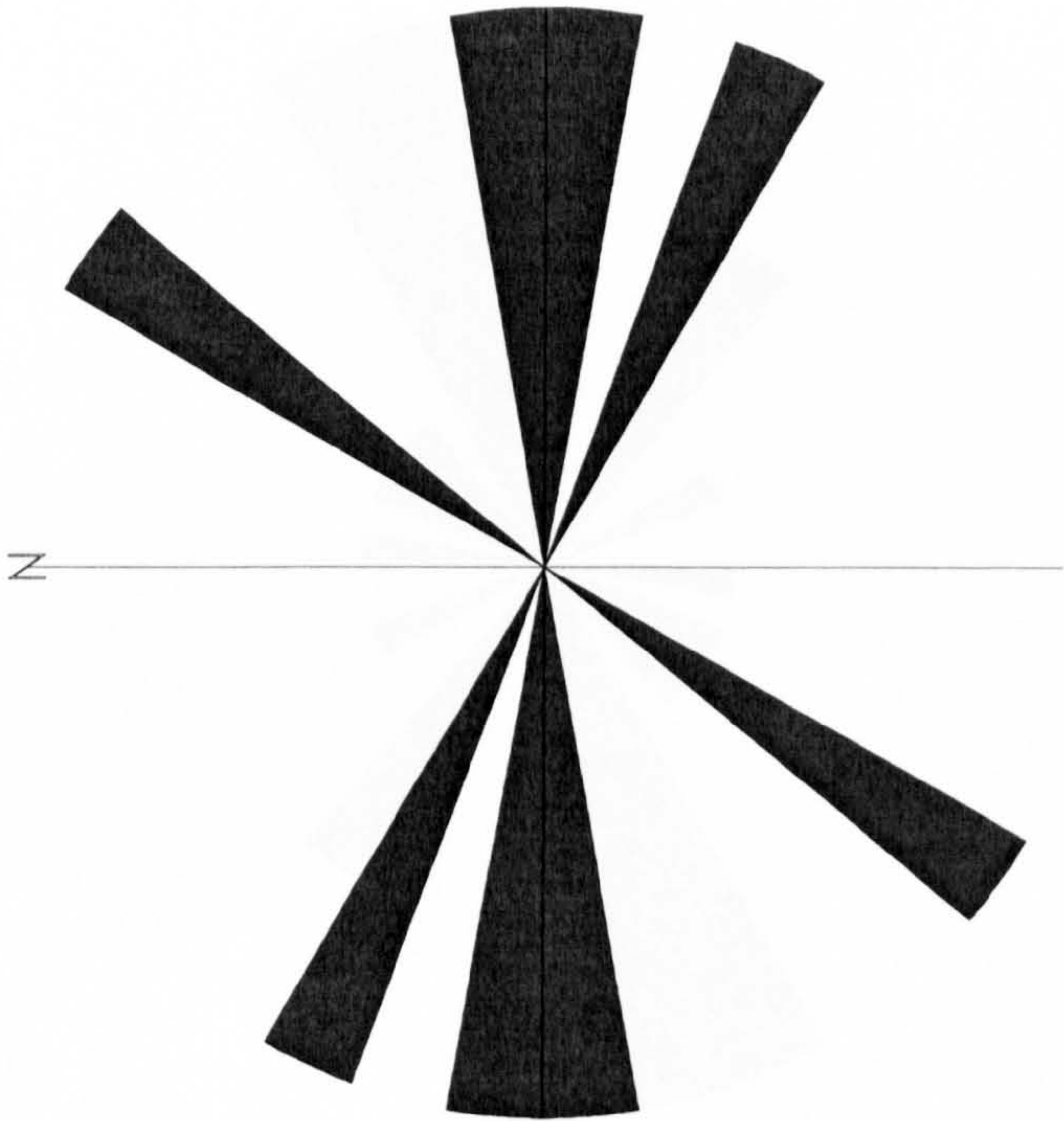
Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 978.0 TO 978.5 METRES



Mean direction = 32.0 +  
NO OF DATA POINTS 5213 Class 1

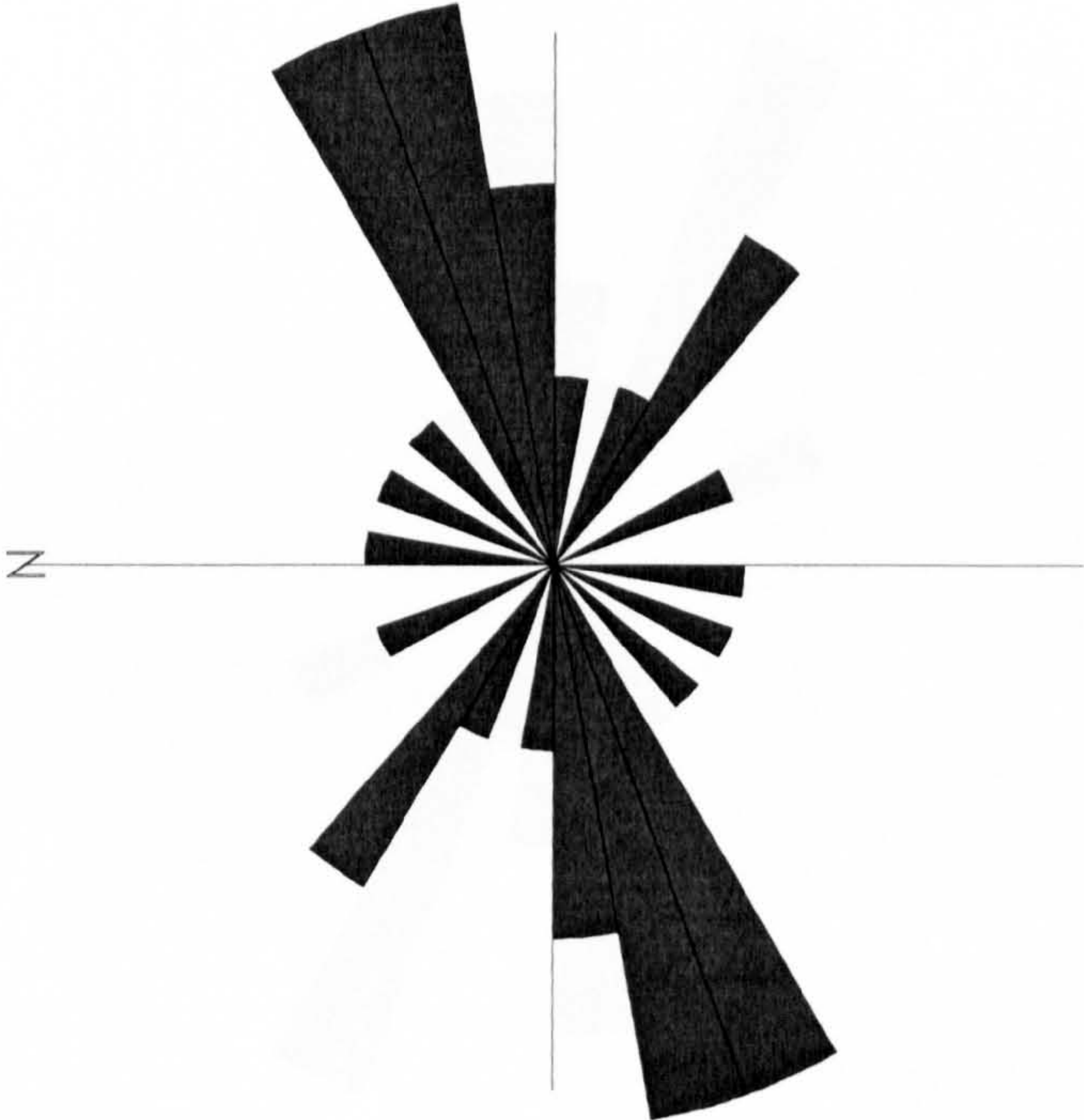


Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 978.0 TO 978.6 METRES



Mean direction = 32.0    +-    0.0    Class 1  
NO OF DATA POINTS    5213

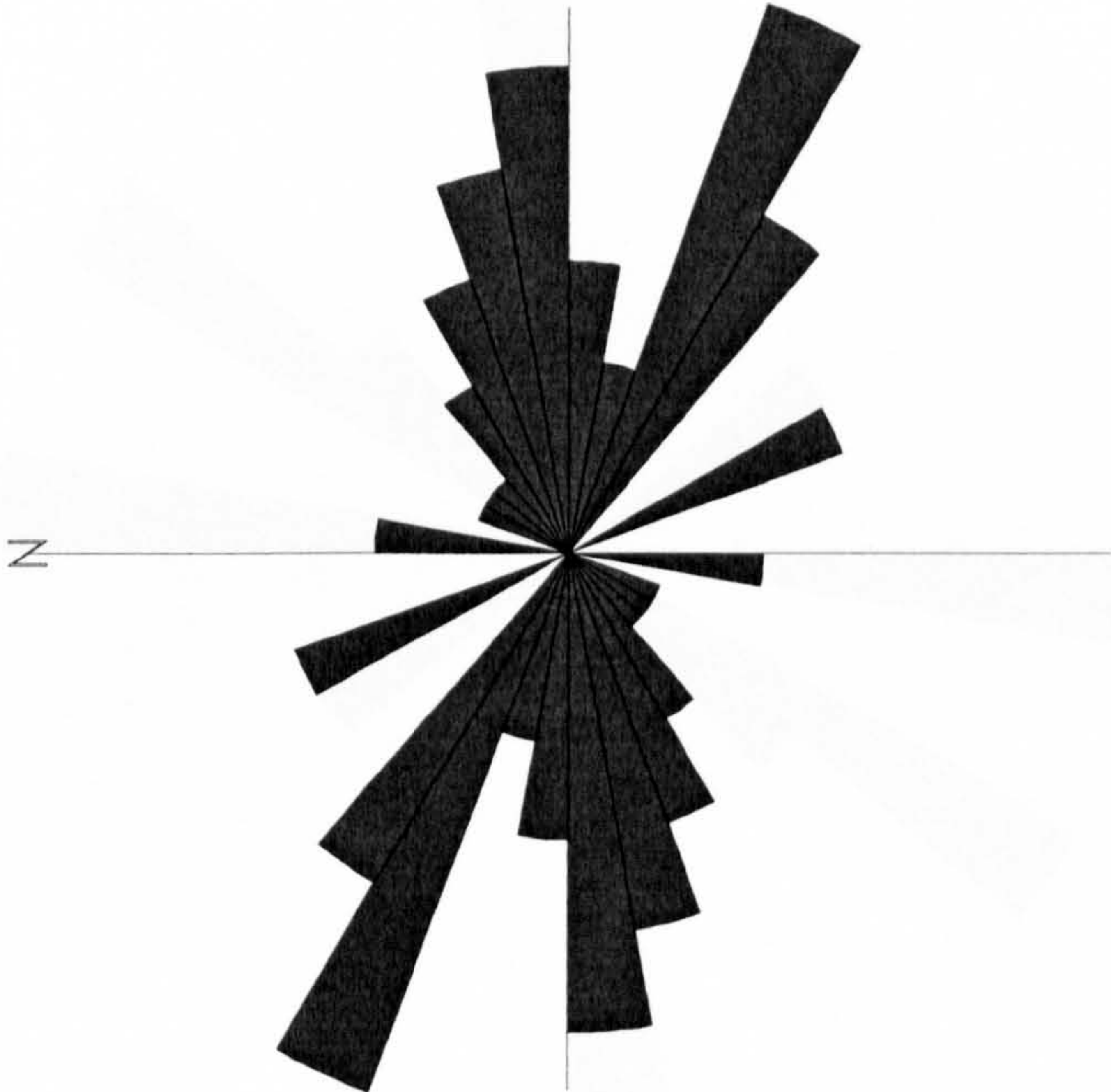
Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 978.5 TO 983.0 METRES



Mean direction = 70.2    +-    19.5    Class 1  
NO OF DATA POINTS    5213



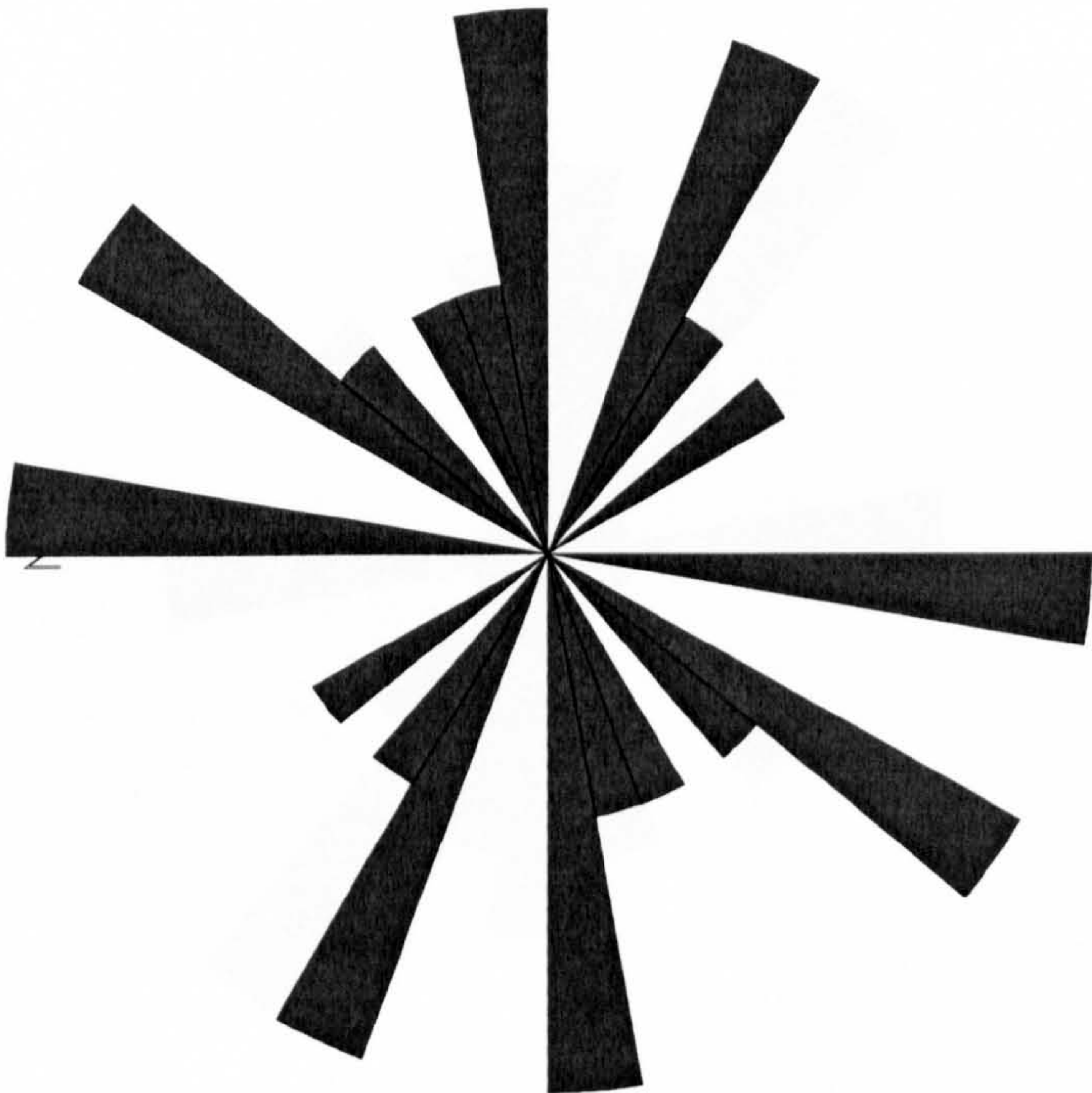
Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 973.0 TO 983.0 METRES



Mean direction = 106.1    +-    23.8    Class 3  
NO OF DATA POINTS    5213

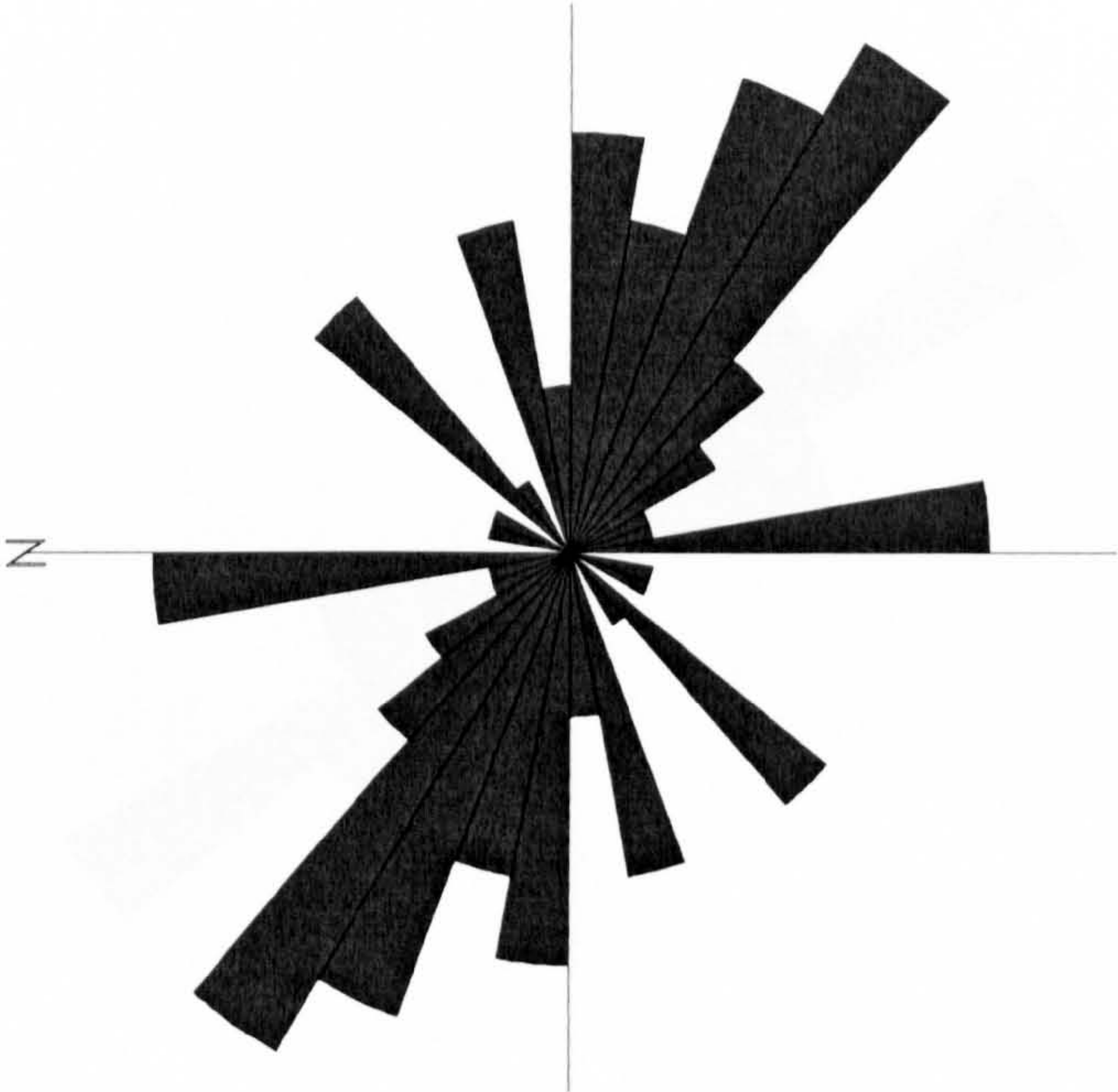


Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 993.0 TO 997.5 METRES



Mean direction = 26.3    +-    16.1    Class 1  
NO OF DATA POINTS    5213

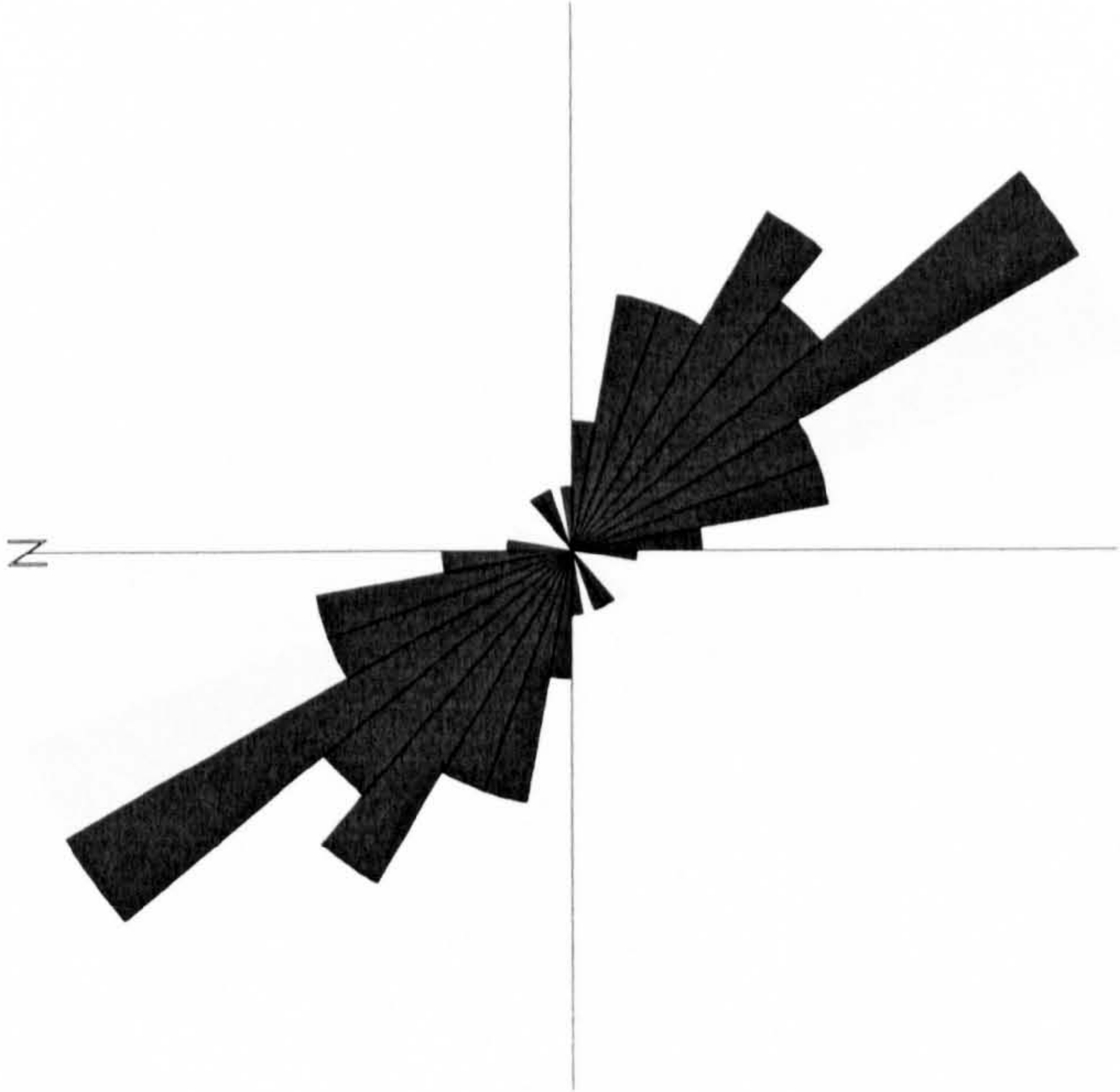
Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 999.0 TO 1009.0 METRES



Mean direction = 118.1    +-    19.3    Class 1  
NO OF DATA POINTS    5213



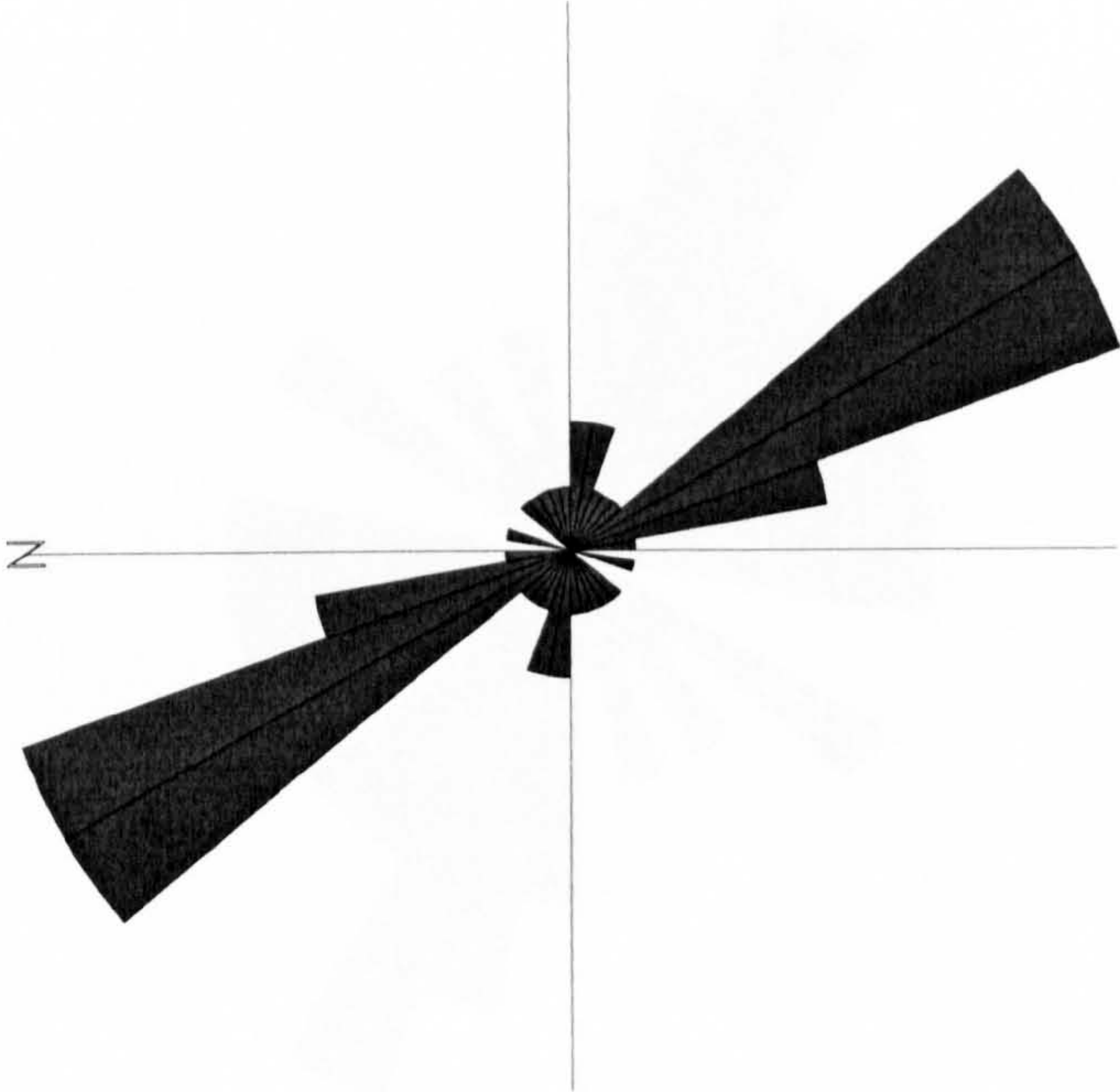
Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 1006.5 TO 1013.5 METRES



Mean direction =	137.9	+ -	19.4	Class 1
NO OF DATA POINTS	5213			

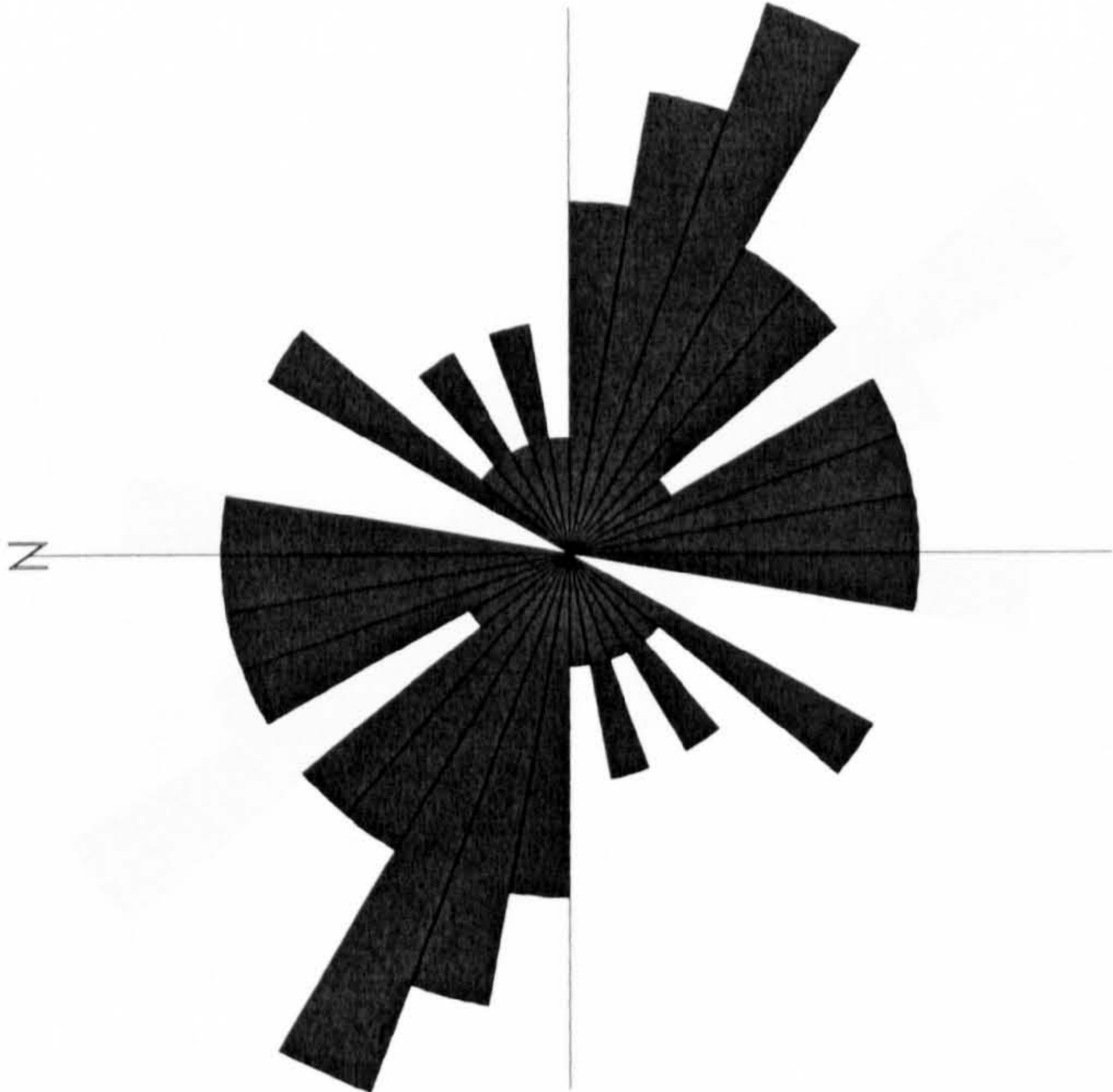


Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 1016.2 TO 1025.0 METRES



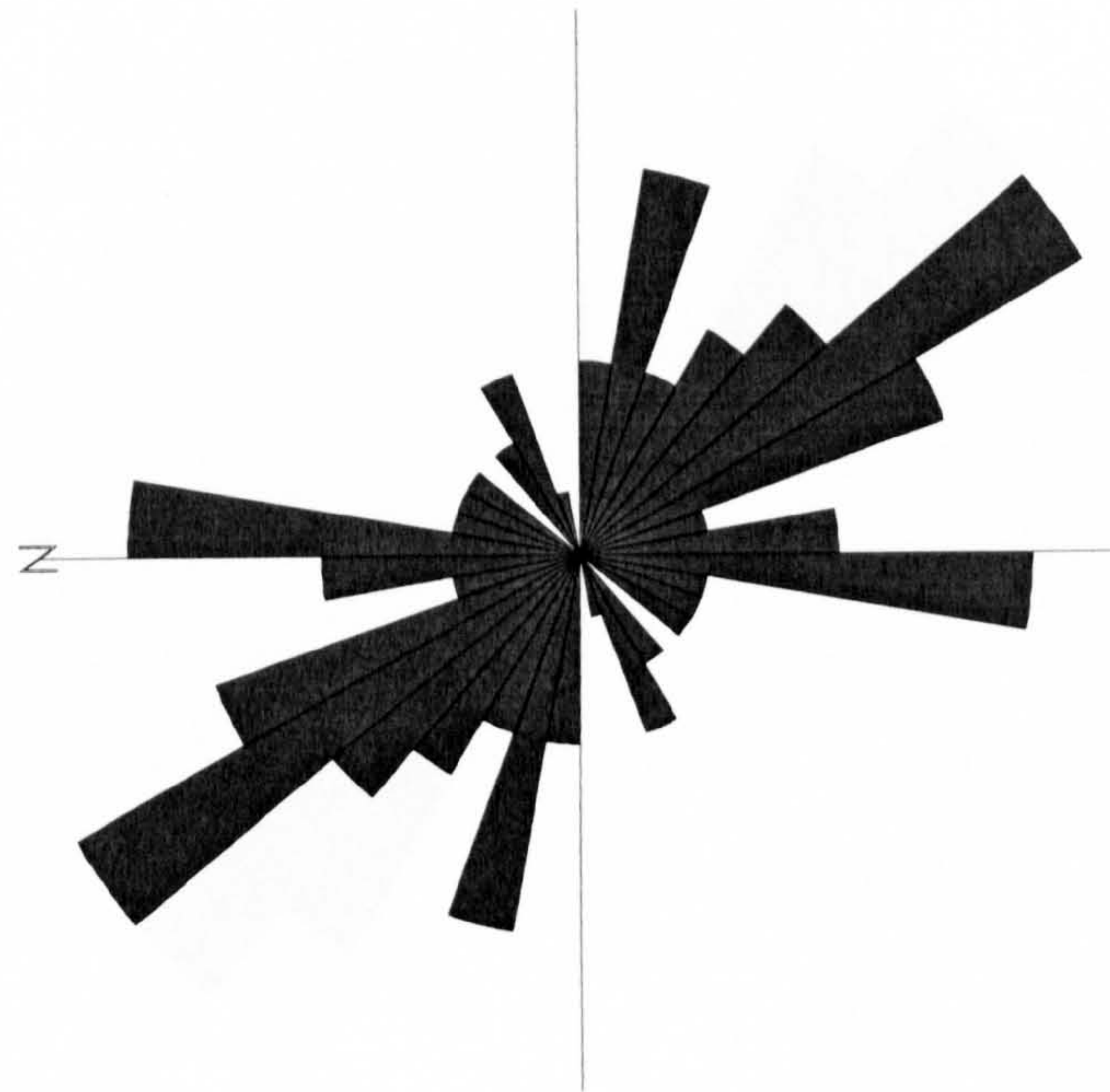
Mean direction = 146.4    +-    16.8    Class 1  
NO OF DATA POINTS    5213

Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 1070.0 TO 1080.0 METRES



Mean direction = 115.5 +- 23.1 Class 3  
NO OF DATA POINTS 5213

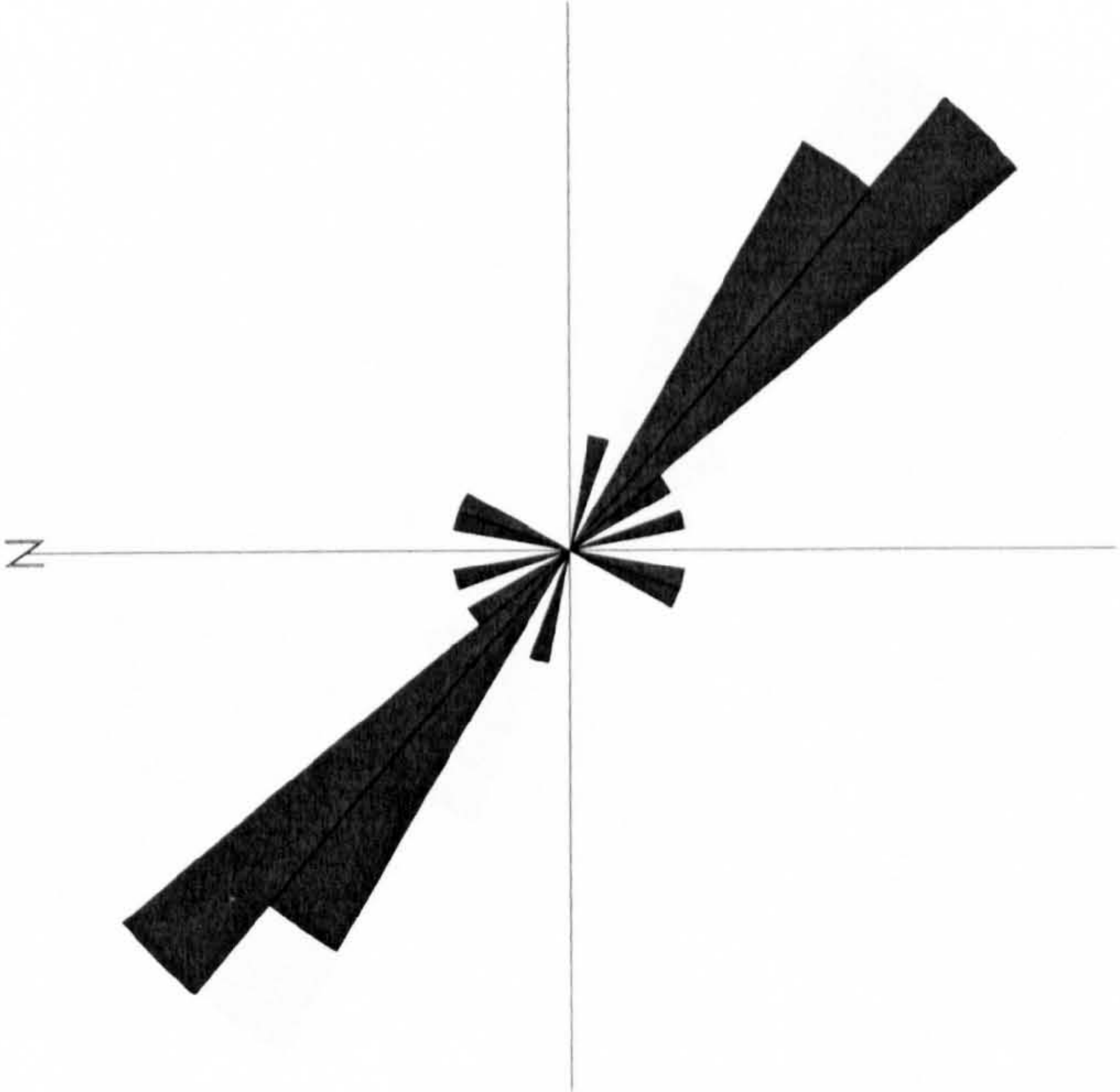
Sellafield 11a Flow Zone  
DEPTH RANGE FROM: 1104.0 TO 1114.0 METRES



Mean direction = 139.2    +-    21.8    Class 3  
NO OF DATA POINTS    5213

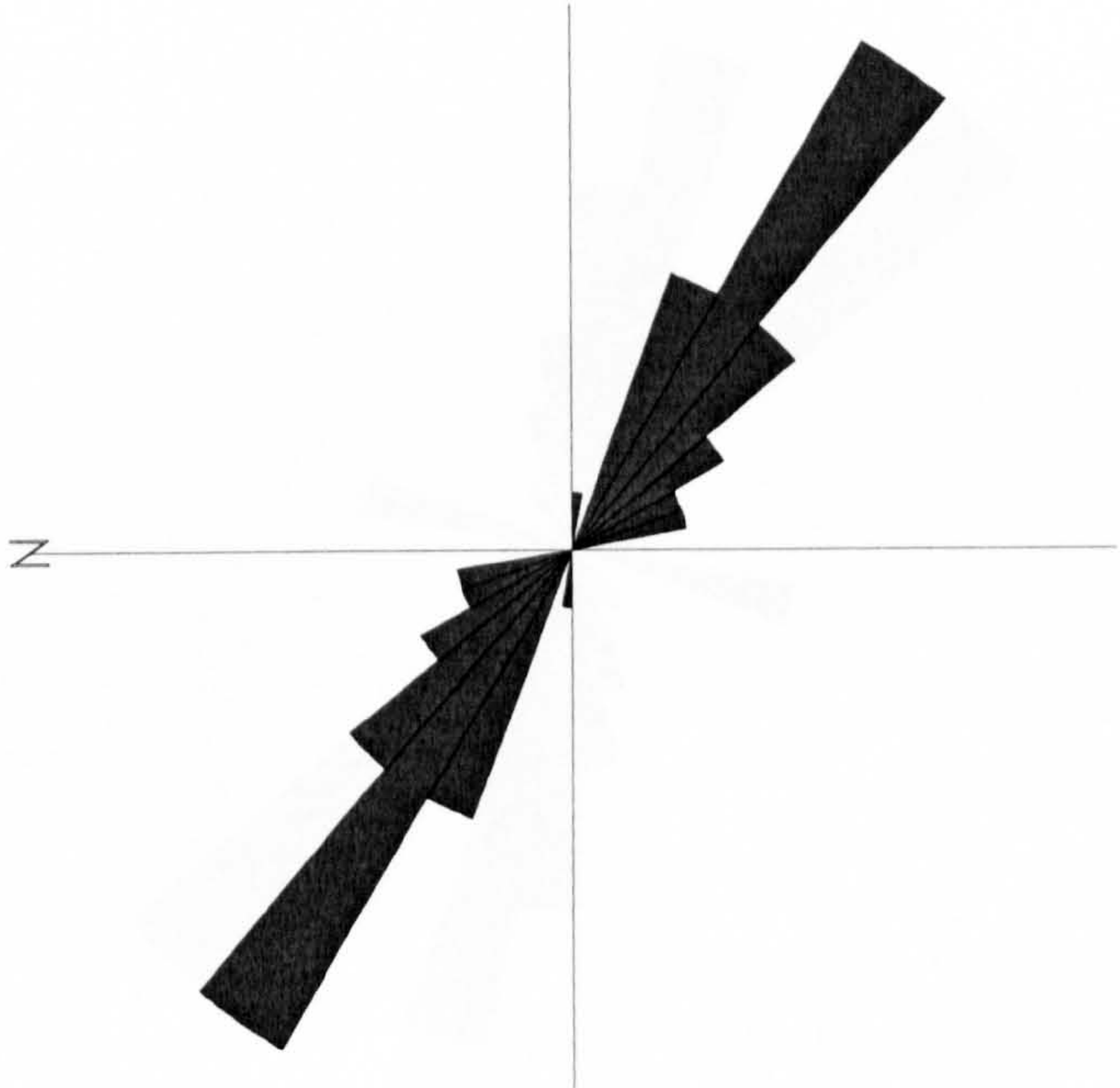


RCF3 Flow Zone  
DEPTH RANGE FROM: 211.0 TO 221.0 METRES



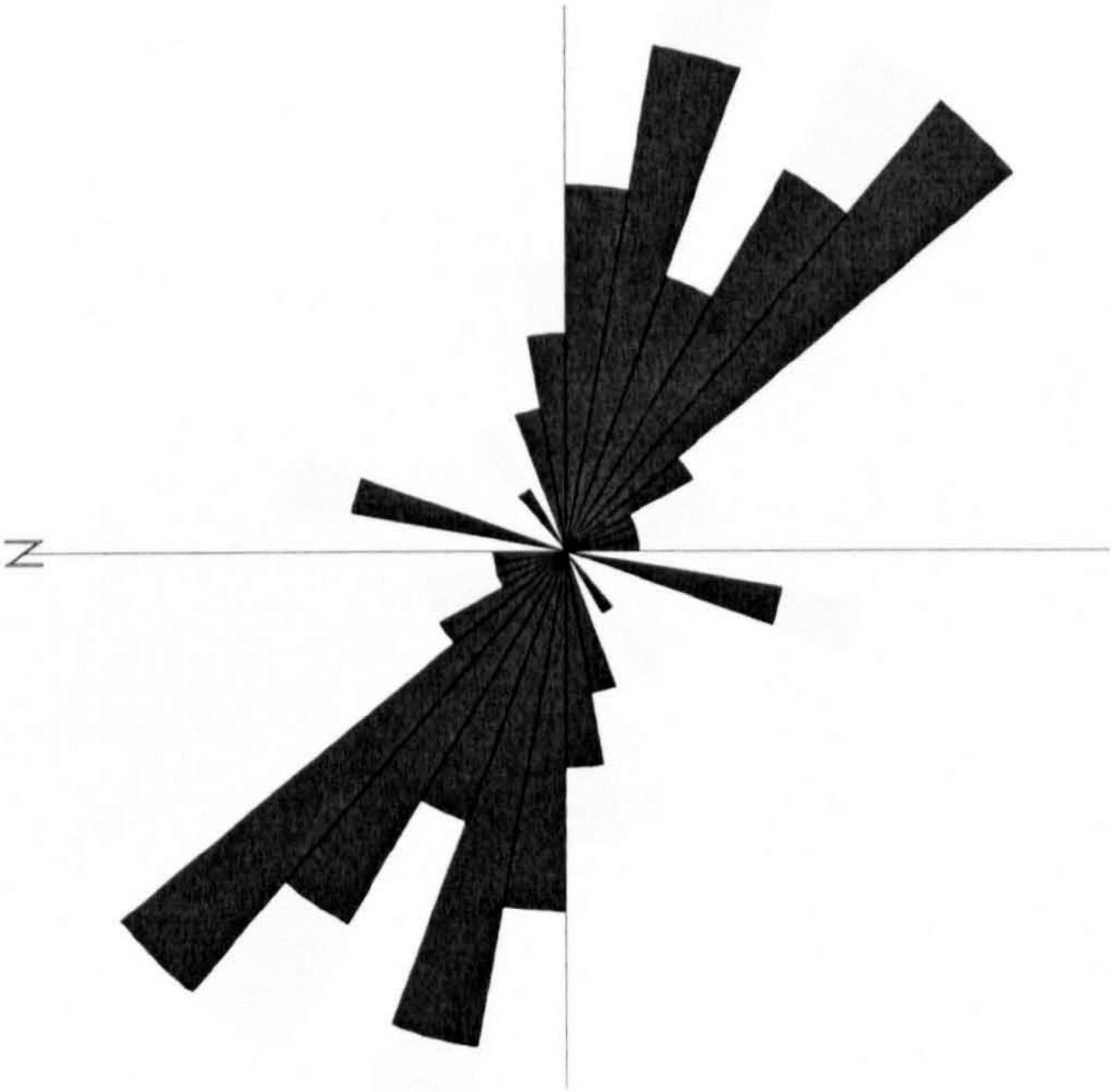
Mean direction = 133.1    +-    14.1    Class 1  
NO OF DATA POINTS    3712

RCF3 Flow Zone  
DEPTH RANGE FROM: 428.1 TO 433.0 METRES



Mean direction = 130.7    +-    16.0    Class 1  
NO OF DATA POINTS    3712

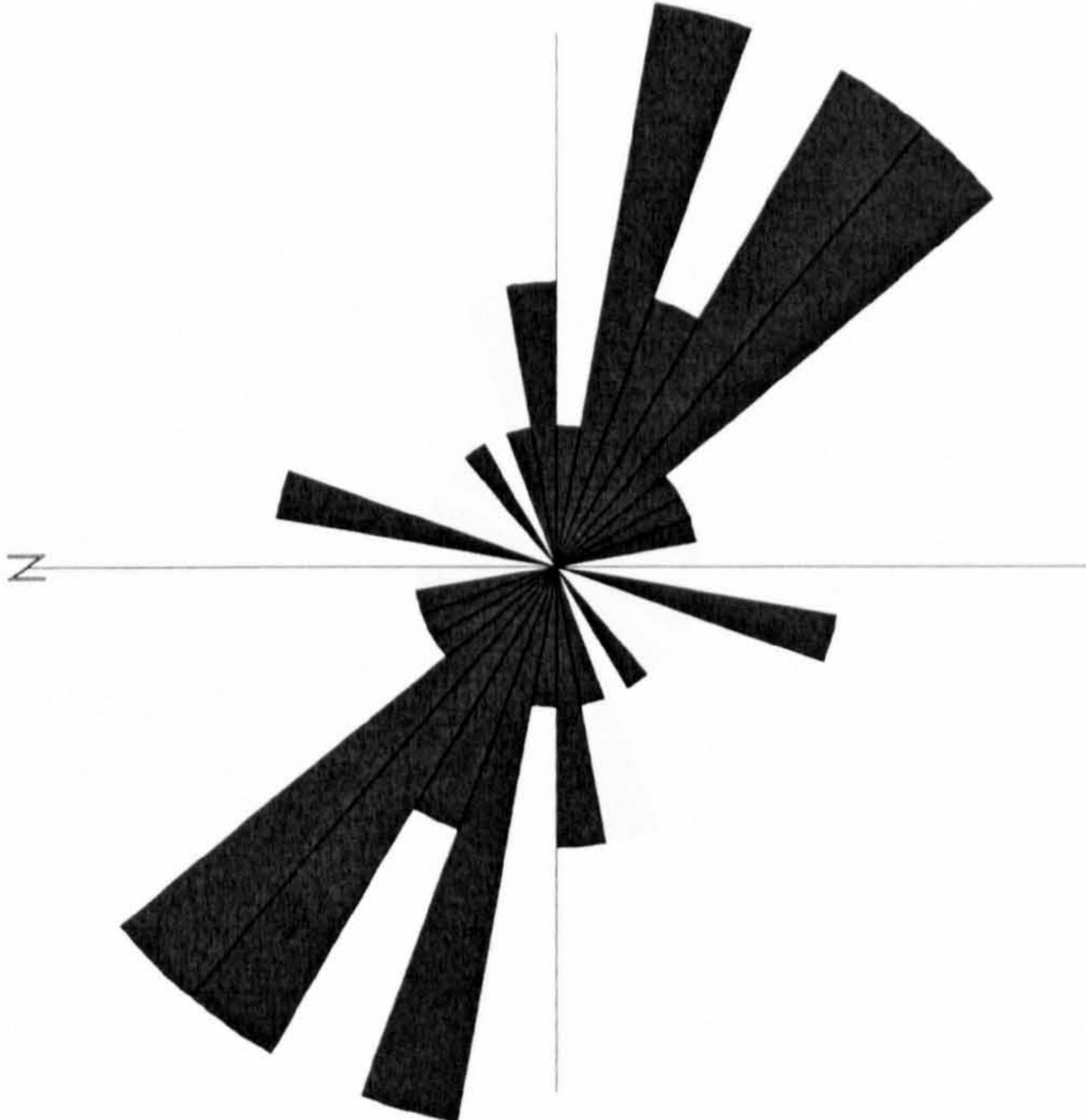
RCF3 Flow Zone  
DEPTH RANGE FROM: 436.5 TO 442.9 METRES



Mean direction = 121.6 +- 19.3  
NO OF DATA POINTS 3712  
Class 1

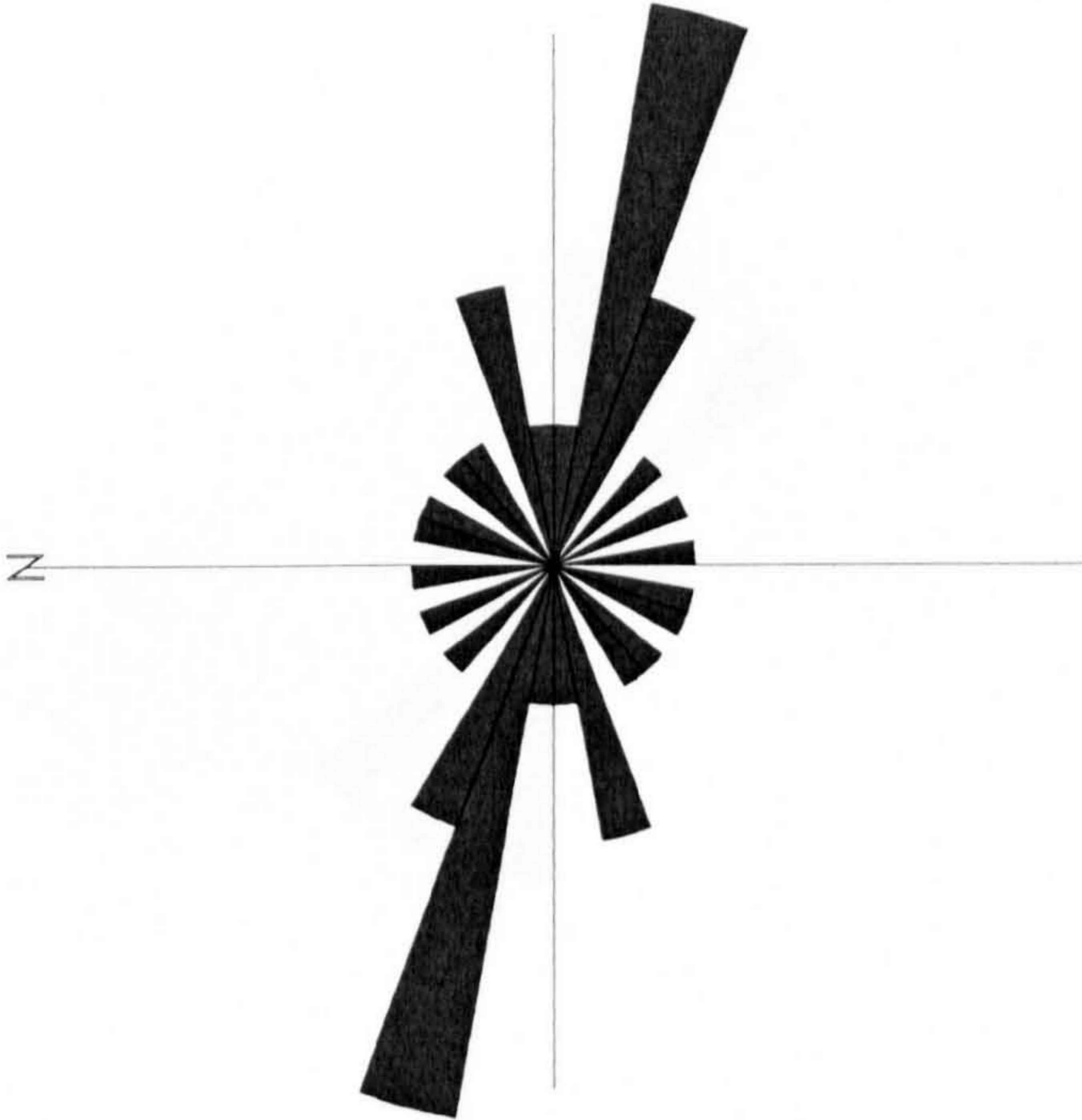


RCF3 Flow Zone  
DEPTH RANGE FROM: 439.0 TO 442.9 METRES



Mean direction = 114.4 +- 18.3  
NO OF DATA POINTS 3712 Class 1

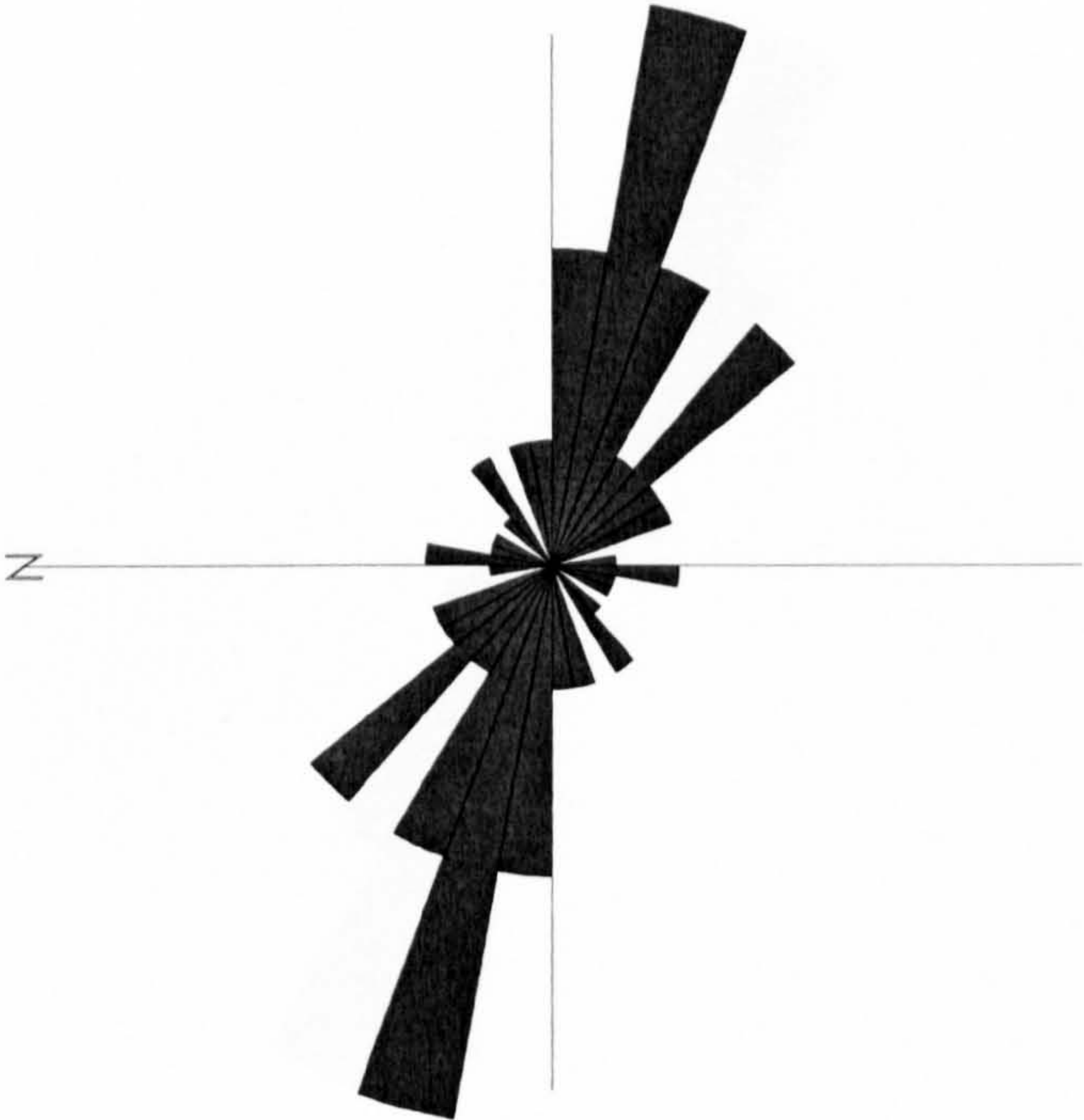
RCF3 Flow Zone  
DEPTH RANGE FROM: 454.0 TO 464.6 METRES



Mean direction = 101.7°  
NO OF DATA POINTS 3712

Class 1

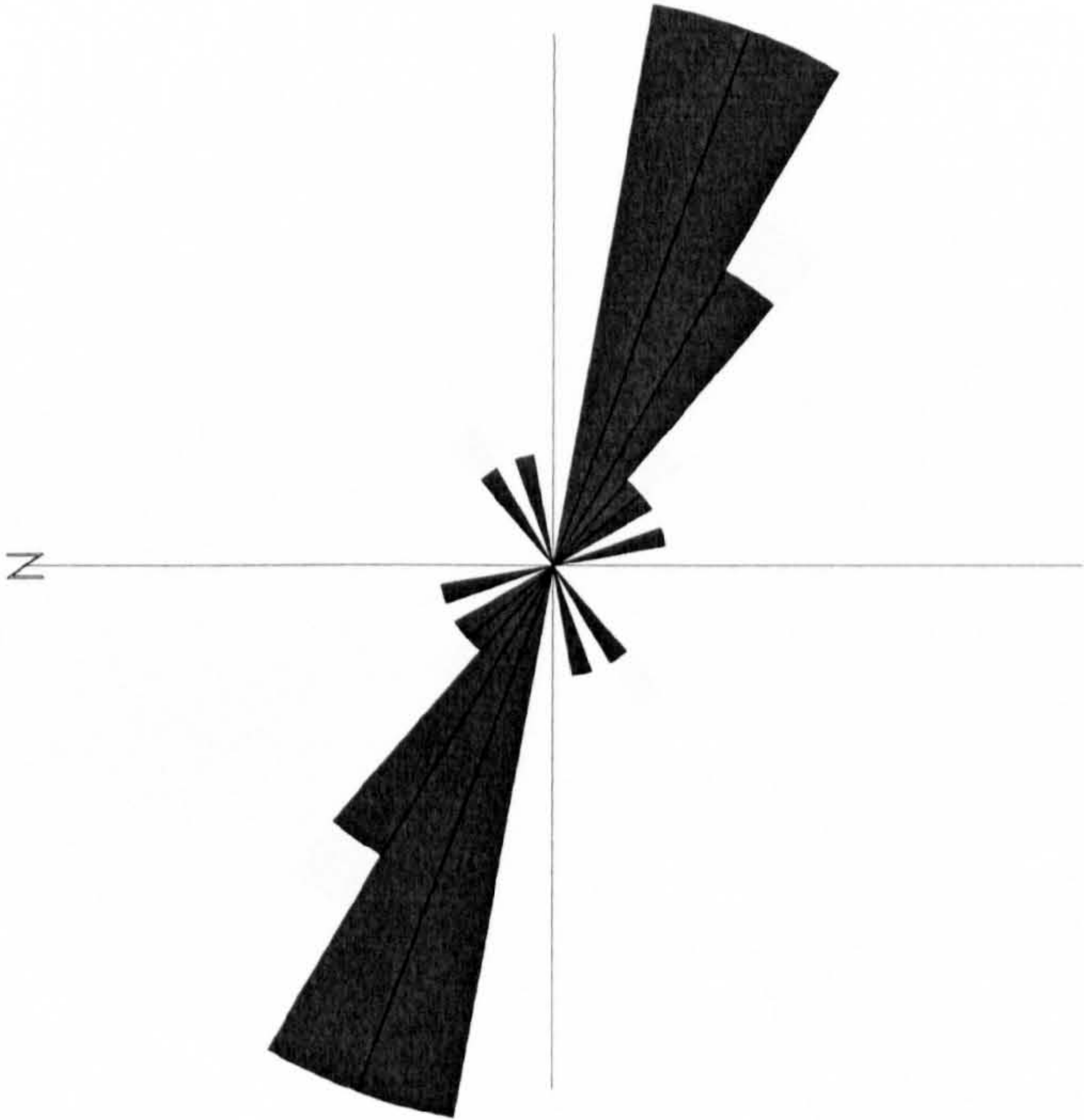
RCF3 Flow Zone  
DEPTH RANGE FROM: 454.0 TO 473.0 METRES



Mean direction = 110.4 +- 19.1  
NO OF DATA POINTS 3712 Class 1

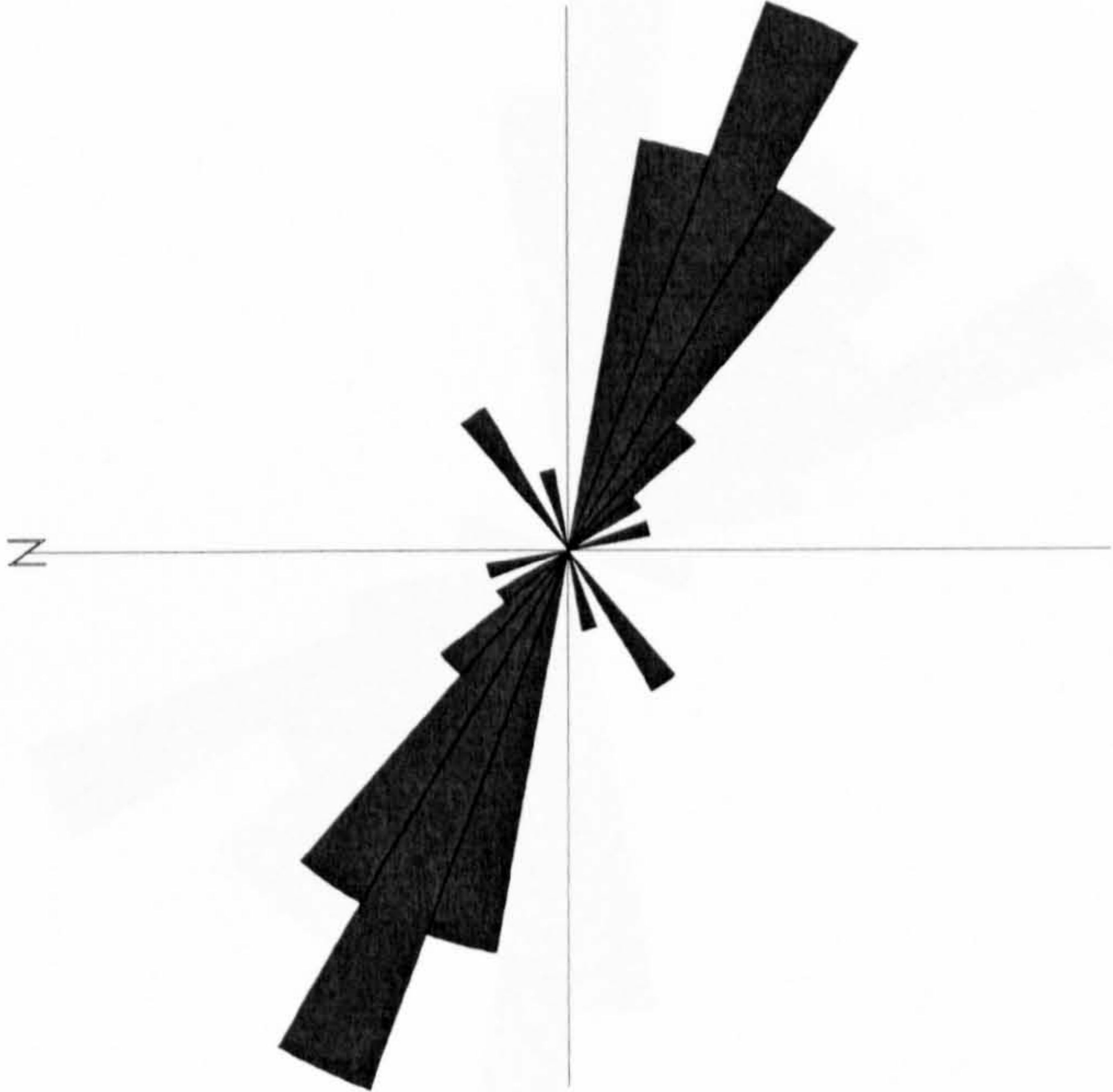


RCF3 Flow Zone  
DEPTH RANGE FROM: 473.0 TO 479.0 METRES



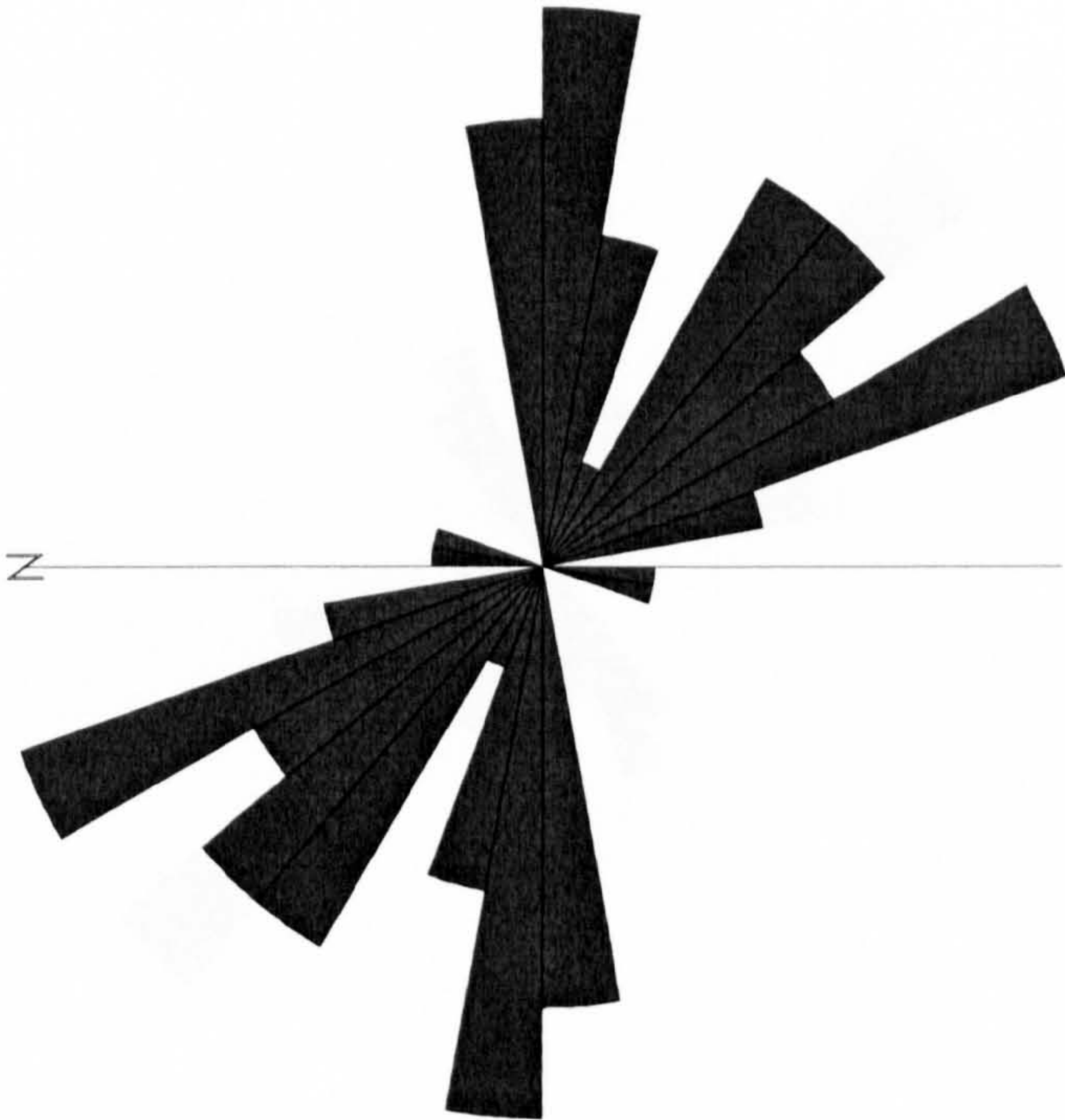
Mean direction = 114.9 +  
NO OF DATA POINTS 3712 Class 1

RCF3 Flow Zone  
DEPTH RANGE FROM: 473.0 TO 481.0 METRES



Mean direction = 116.6    +-    13.9    Class 1  
NO OF DATA POINTS    3712

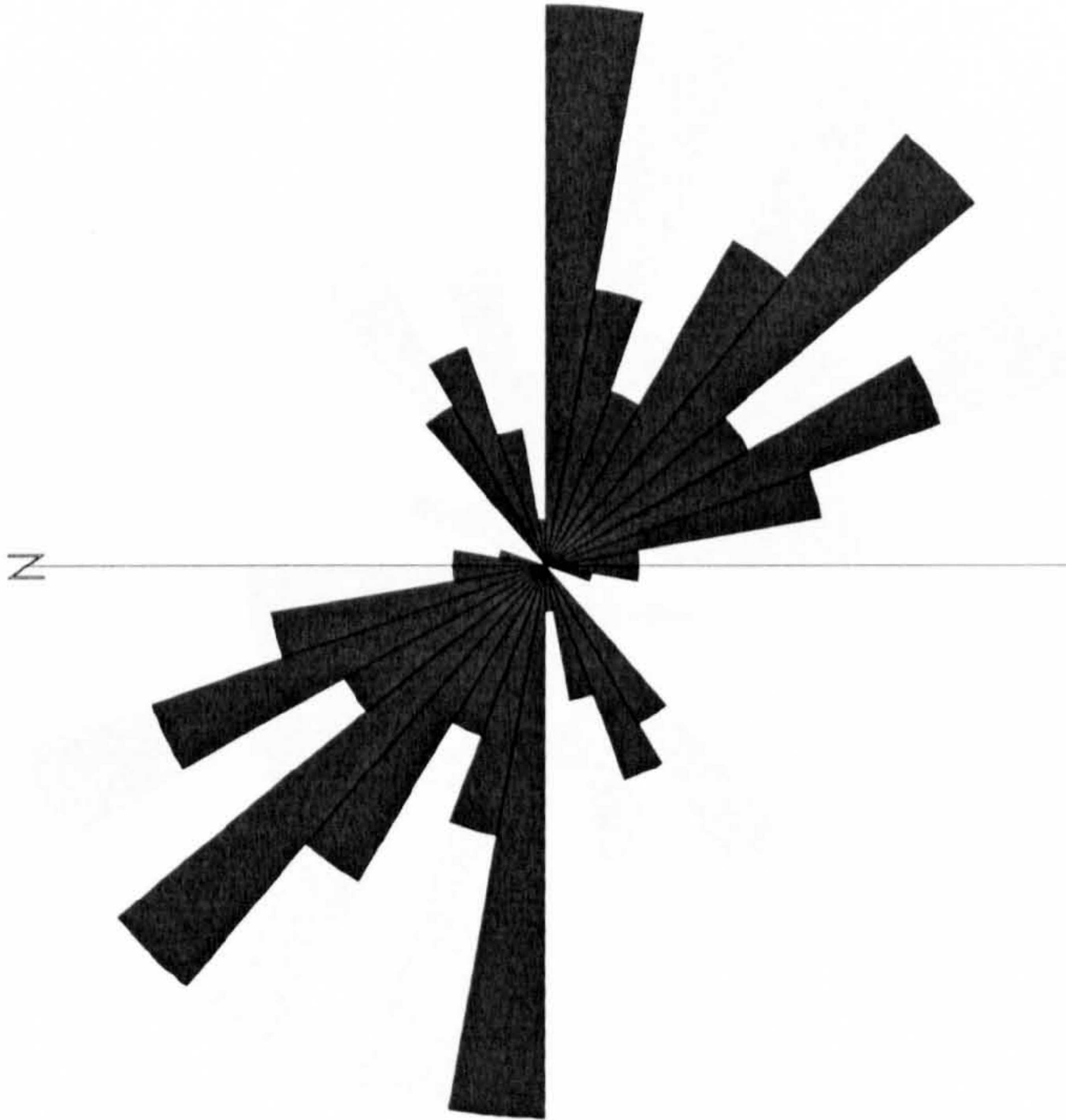
RCF3 Flow Zone  
DEPTH RANGE FROM: 520.0 TO 530.0 METRES



Mean direction = 108.2    +-    18.5    Class 1  
NO OF DATA POINTS    3712

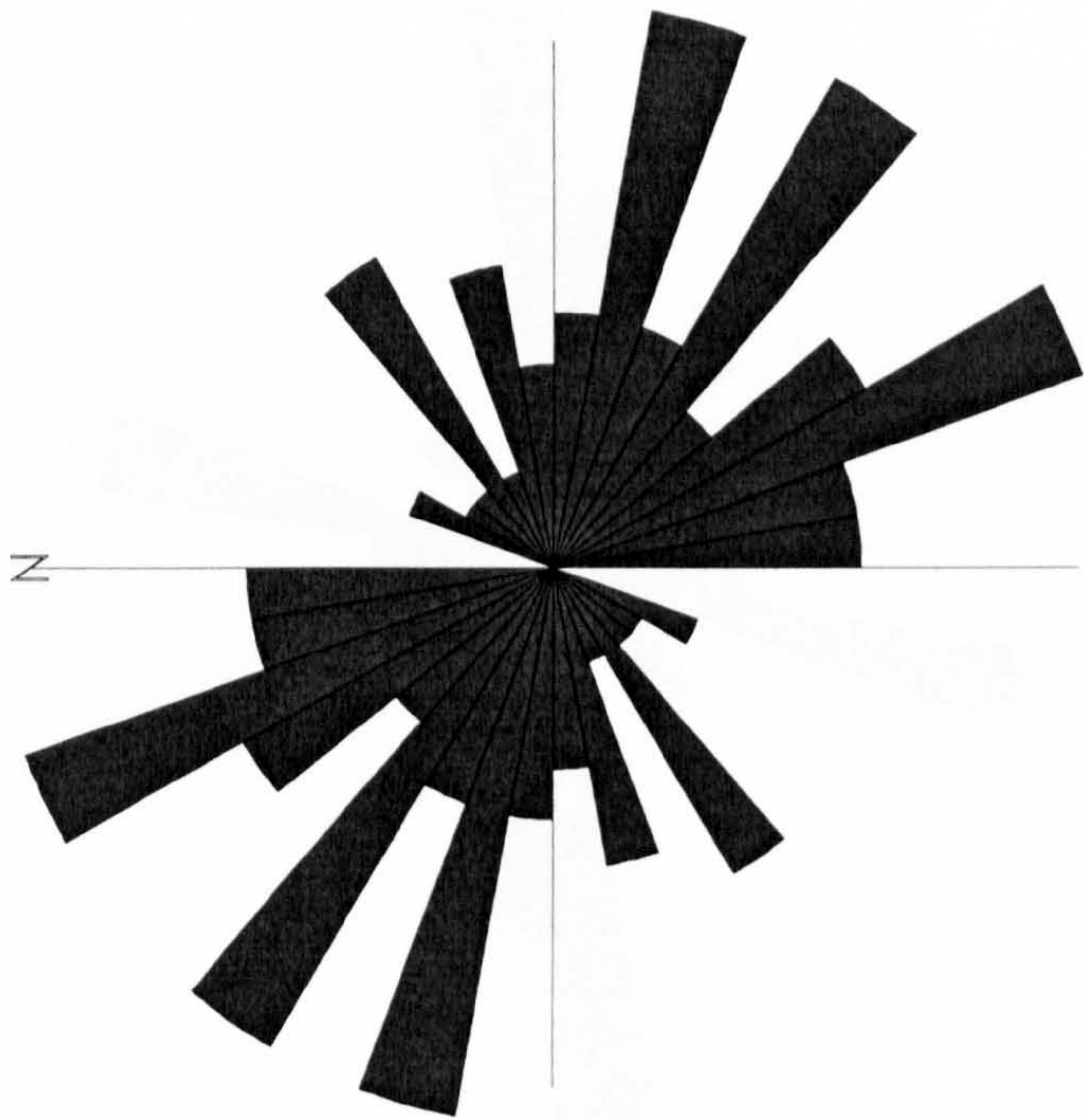


RCF3 Flow Zone  
DEPTH RANGE FROM: 526.0 TO 542.0 METRES



Mean direction = 104.1 +- 26.2  
NO OF DATA POINTS 3712 Class 3

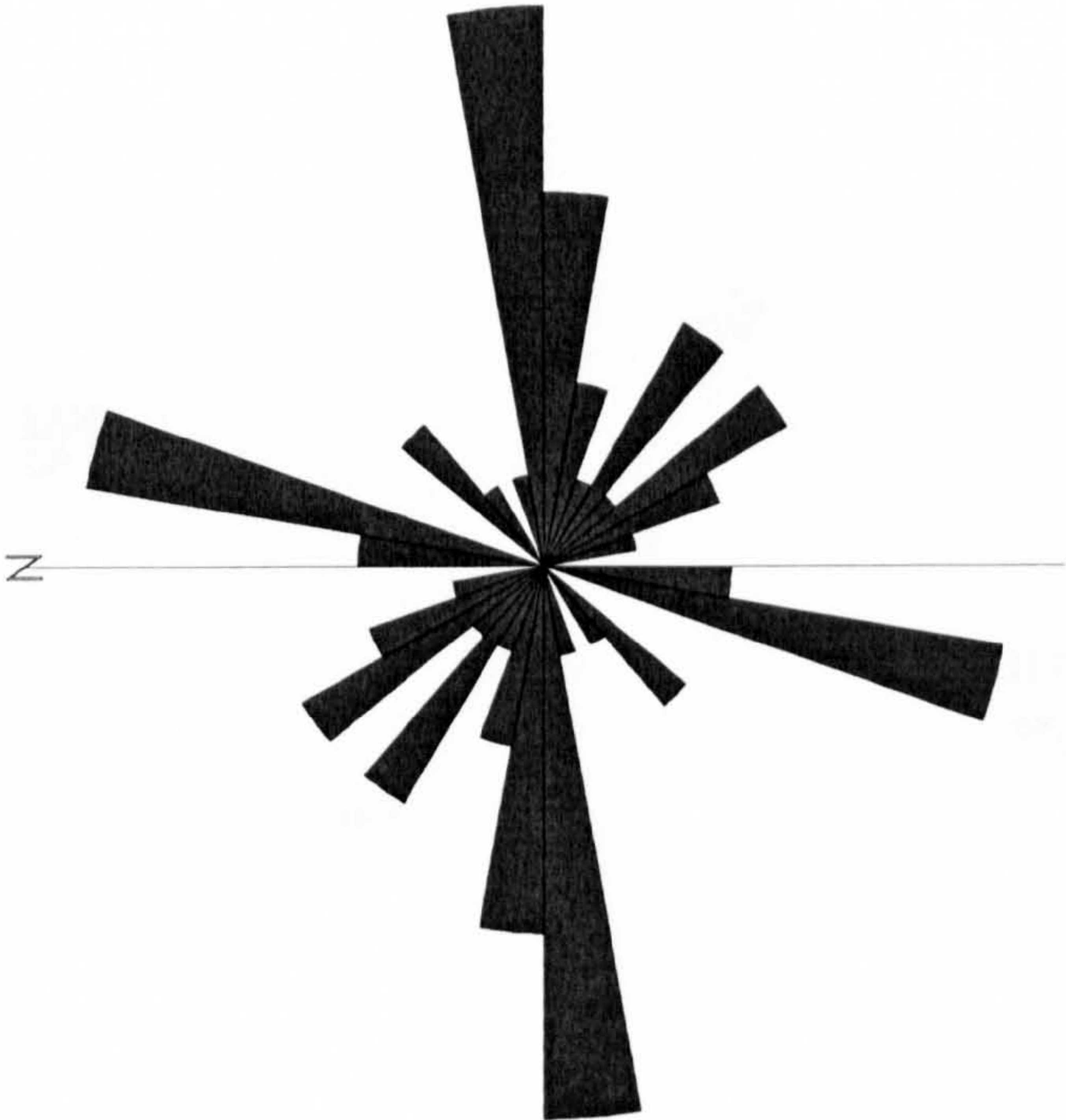
RCF3 Flow Zone  
DEPTH RANGE FROM: 546.0 TO 566.0 METRES



Mean direction = 110.0 +- 22.9  
NO OF DATA POINTS 3712  
Class 3



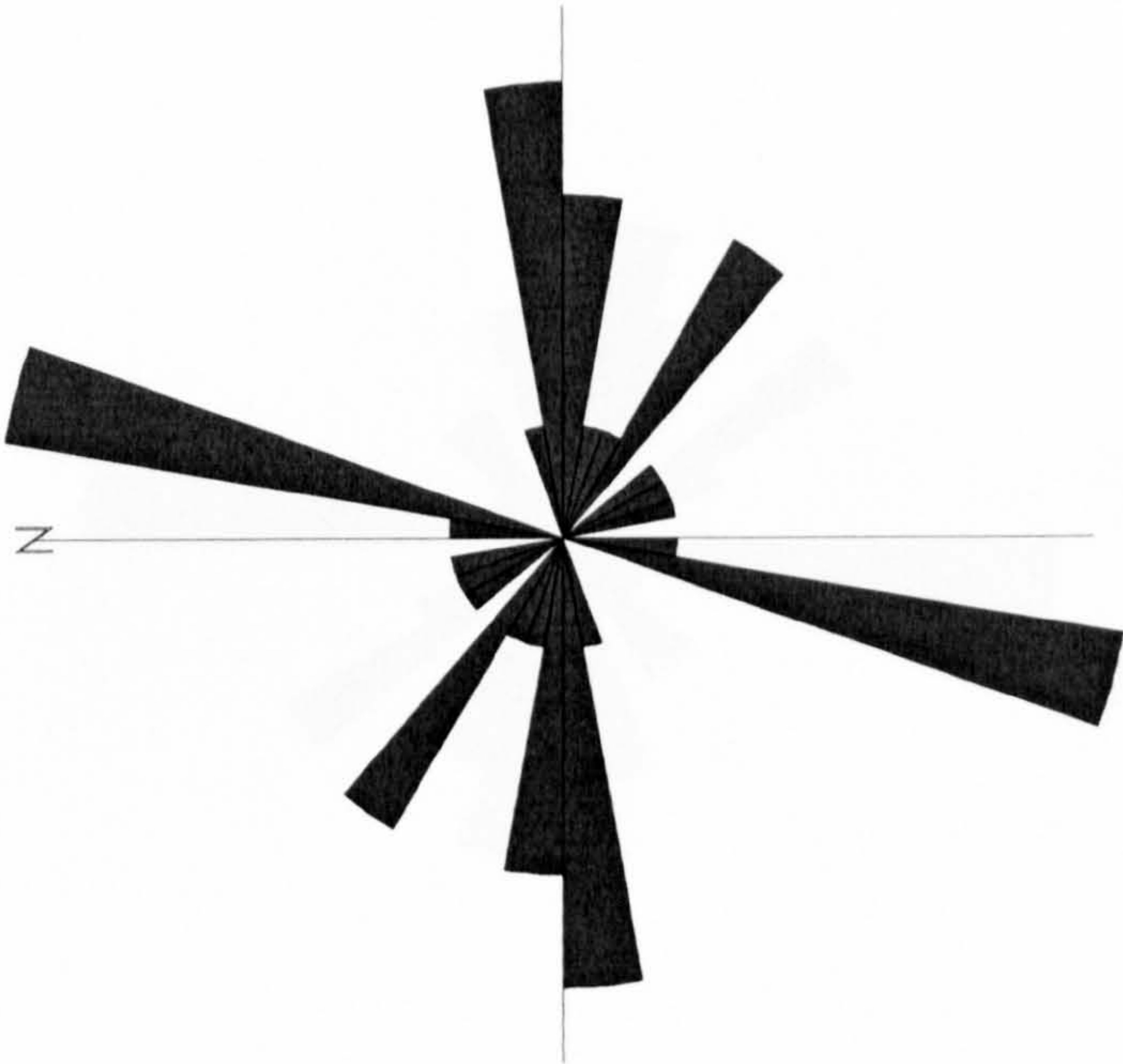
RCF3 Flow Zone  
DEPTH RANGE FROM: 575.5 TO 581.5 METRES



Mean direction = 90.7 + - 22.8  
NO OF DATA POINTS 3712 Class 3

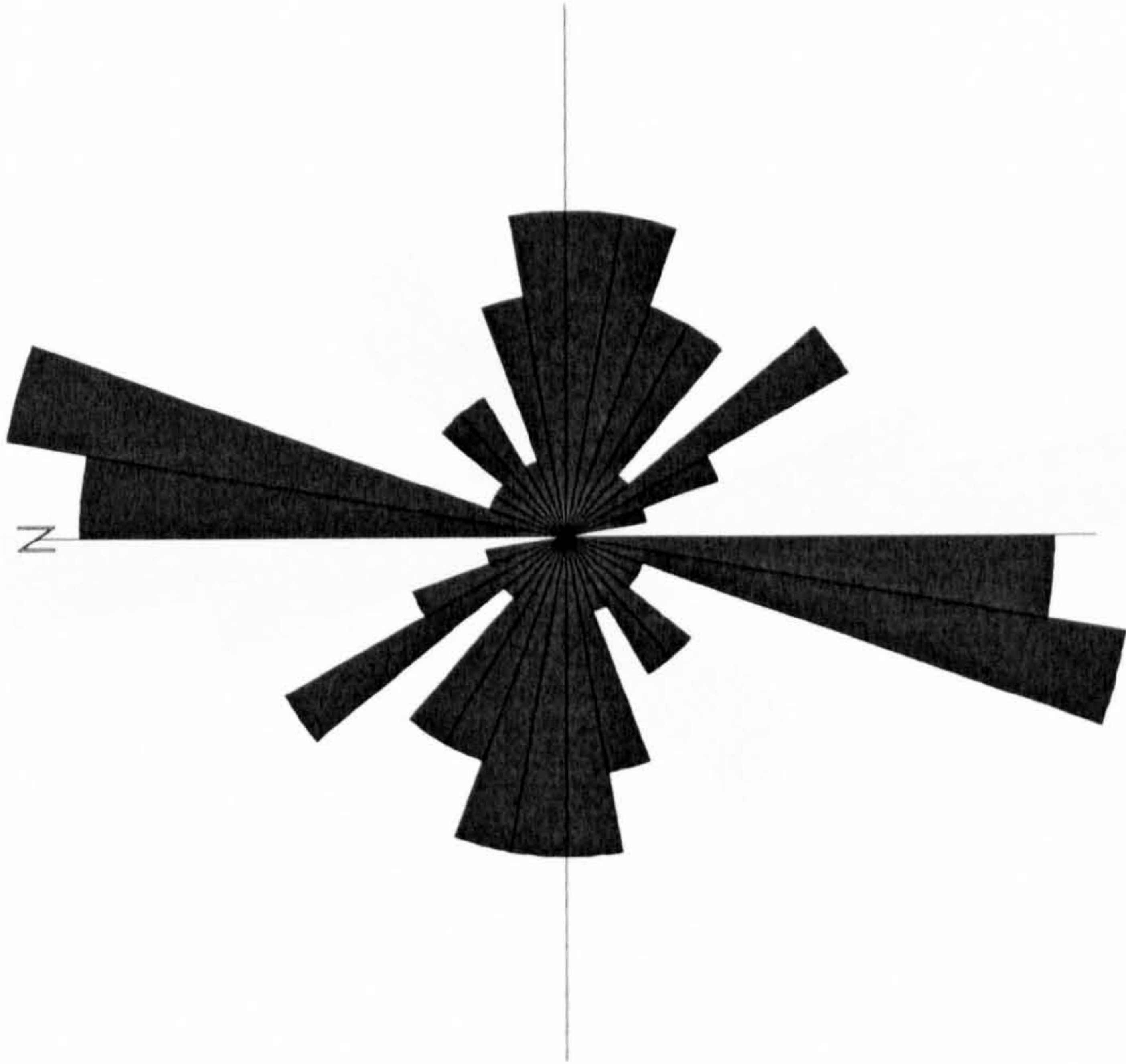


RCF3 Flow Zone  
DEPTH RANGE FROM: 576.0 TO 580.0 METRES



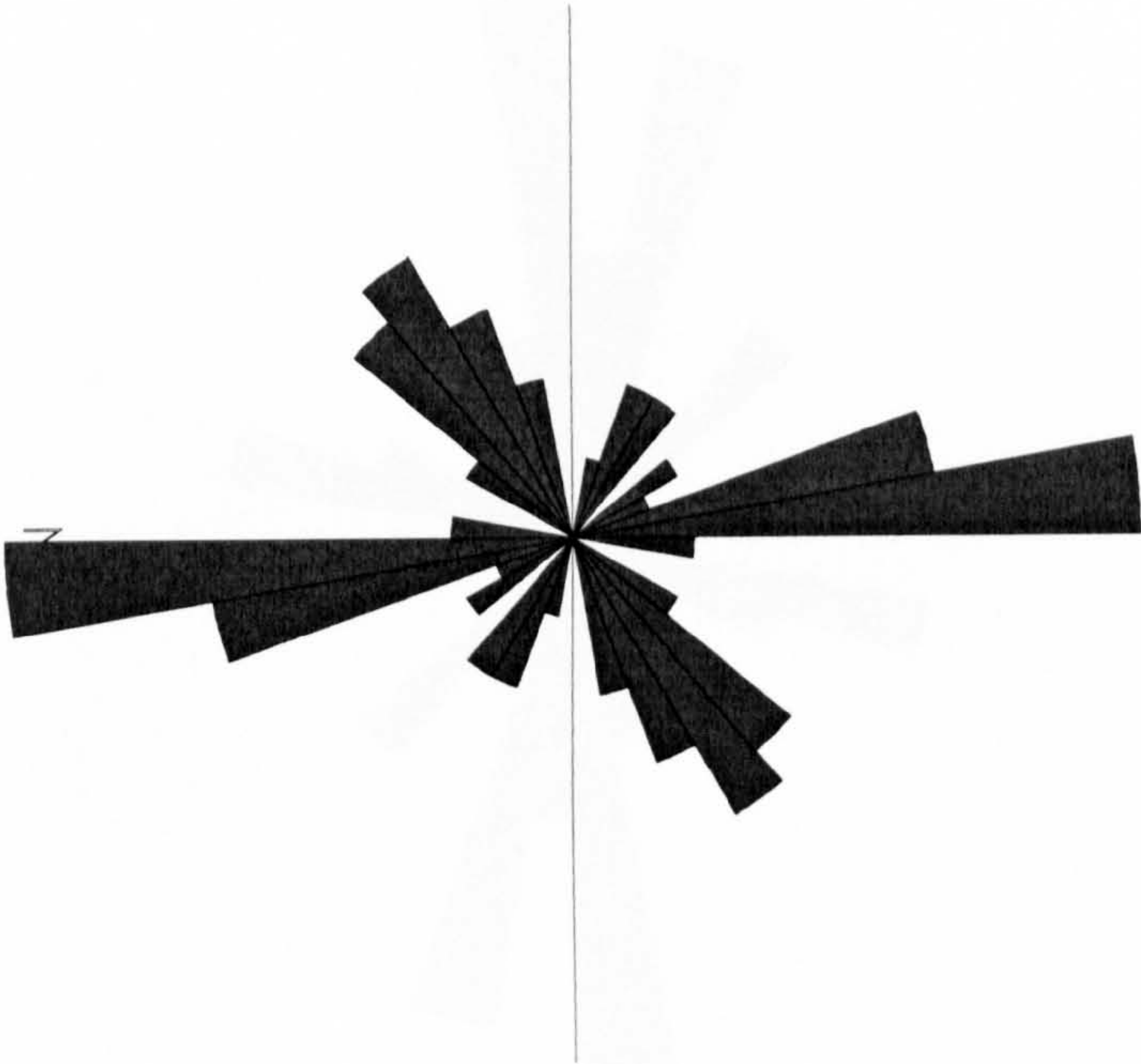
Mean direction = 12.4 +  
NO OF DATA POINTS 3712 Class 1

RCF3 Flow Zone  
DEPTH RANGE FROM: 578.0 TO 588.0 METRES



Mean direction = 21.1 +- 17.8  
NO OF DATA POINTS 3712  
Class 1

RCF3 Flow Zone  
DEPTH RANGE FROM: 663.0 TO 675.0 METRES



Mean direction = 167.9    +-    9.0    Class 1  
NO OF DATA POINTS    3712

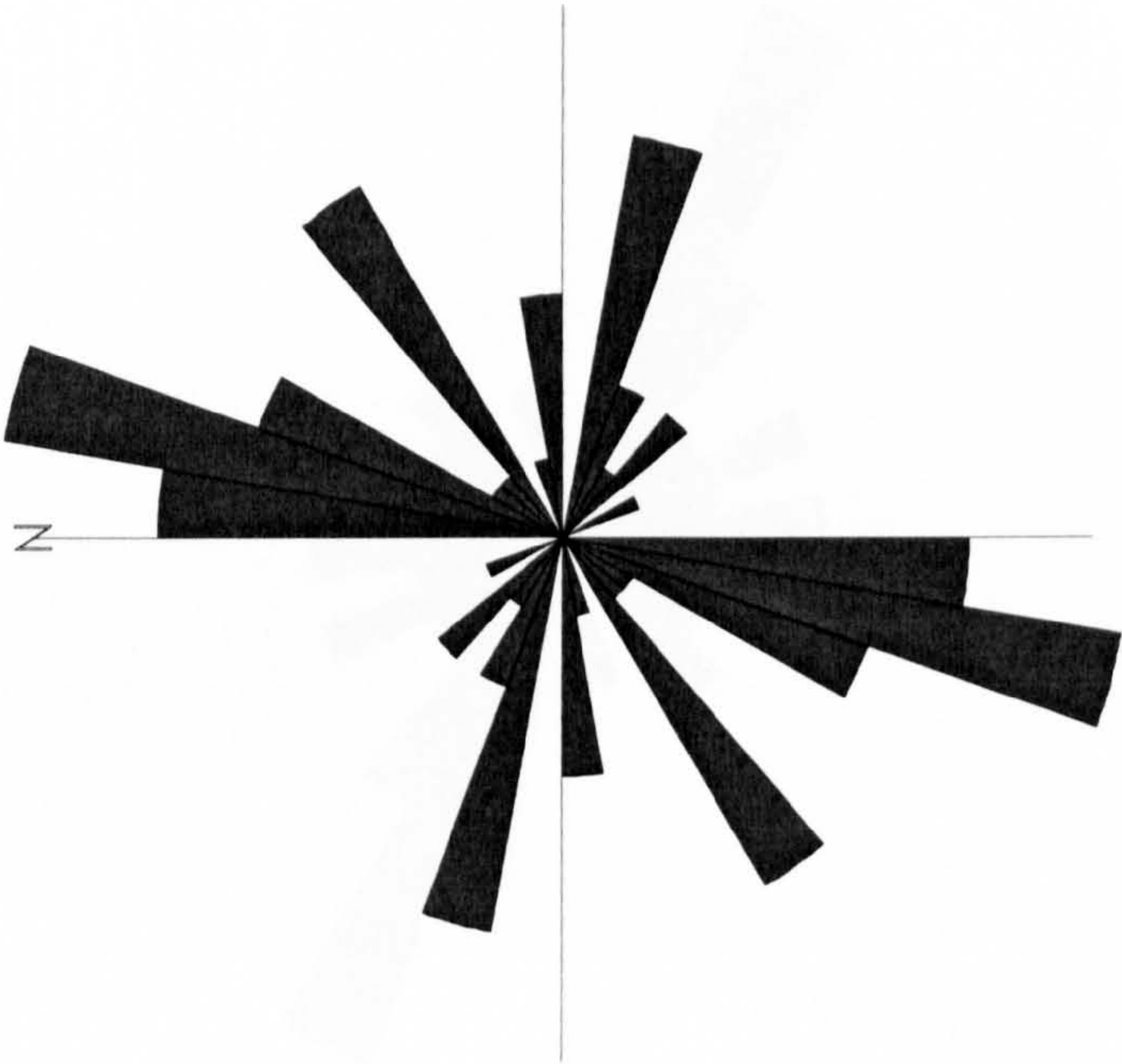


RCF3 Flow Zone  
DEPTH RANGE FROM: 697.0 TO 706.0 METRES



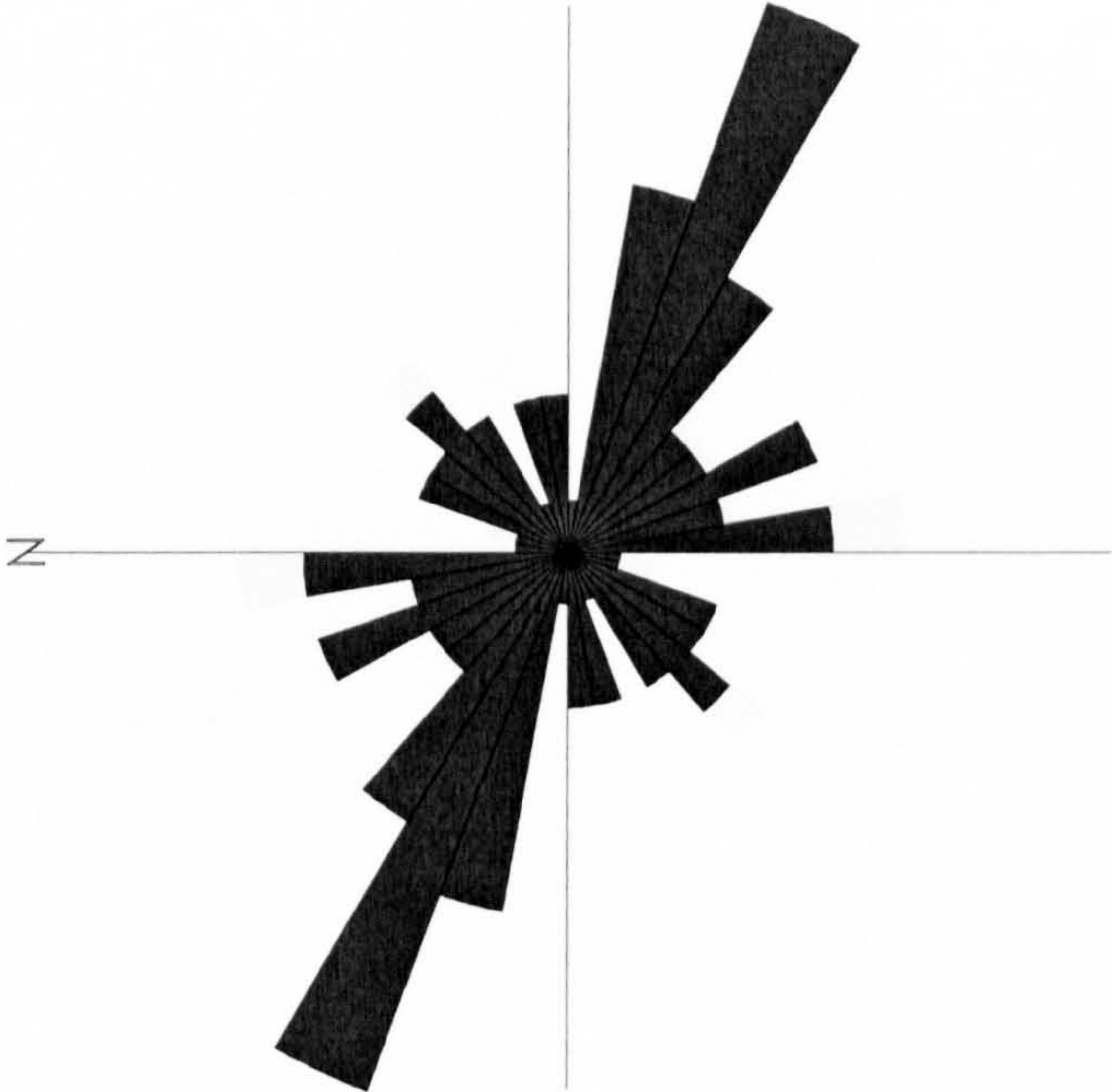
Mean direction = 90.6 +  
NO OF DATA POINTS 3712 Class 1

RCF3 Flow Zone  
DEPTH RANGE FROM: 704.0 TO 711.0 METRES



Mean direction = 26.2 +- 19.2  
NO OF DATA POINTS 3712  
Class 1

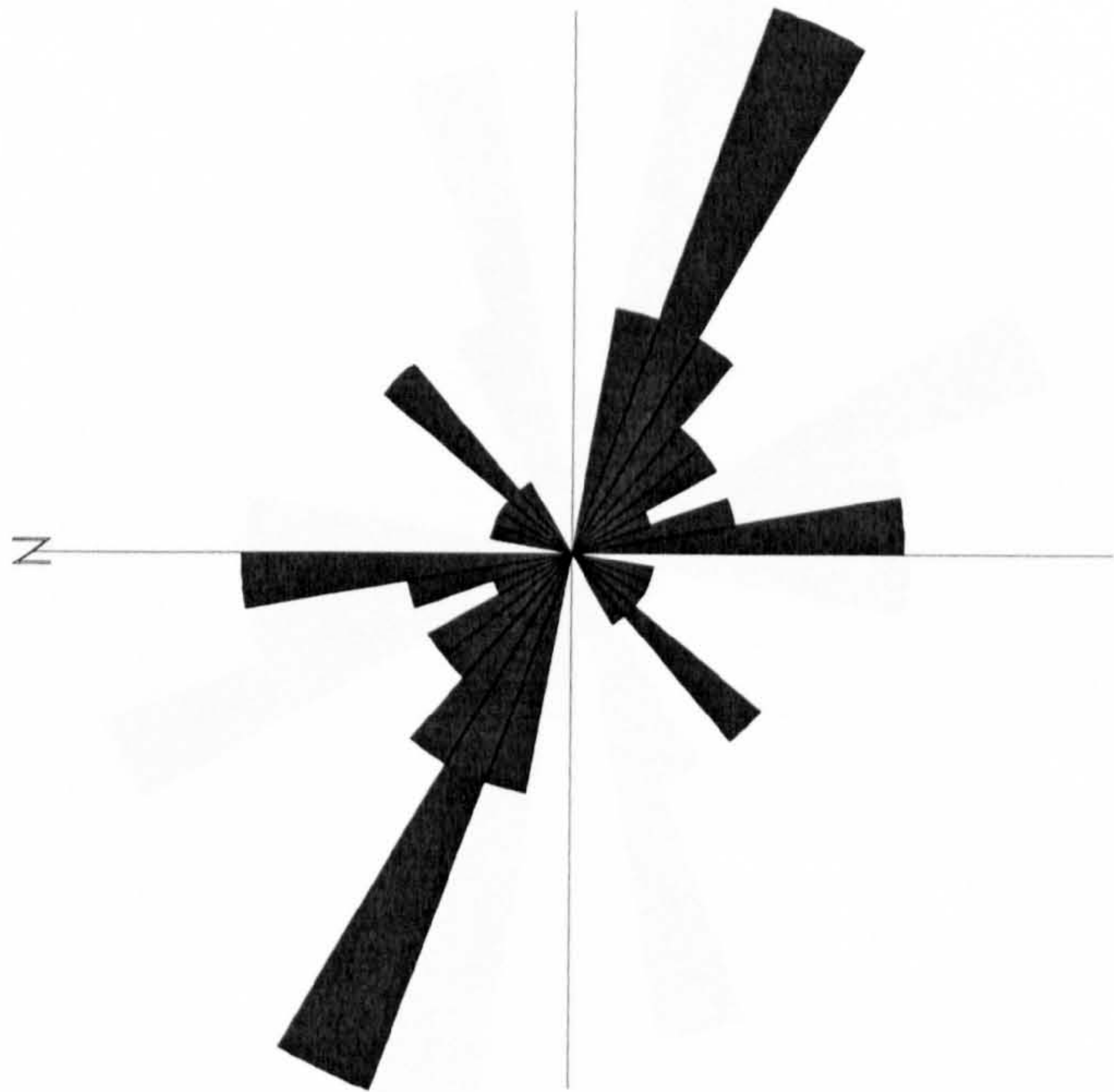
RCF3 Flow Zone  
DEPTH RANGE FROM: 747.0 TO 767.0 METRES



Mean direction = 117.7 +- 22.6  
NO OF DATA POINTS 3712  
Class 3

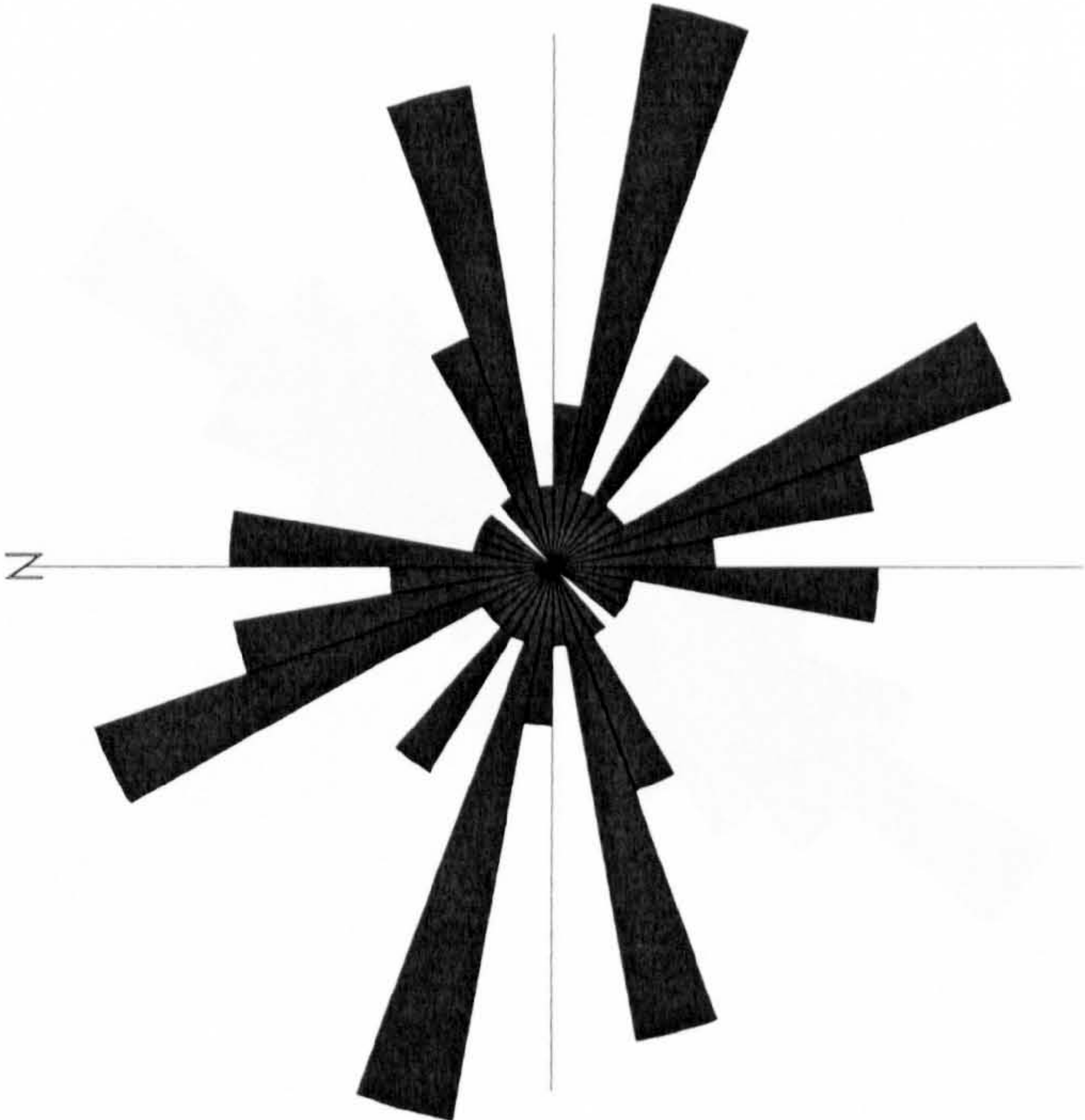


RCF3 Flow Zone  
DEPTH RANGE FROM: 757.6 TO 765.0 METRES



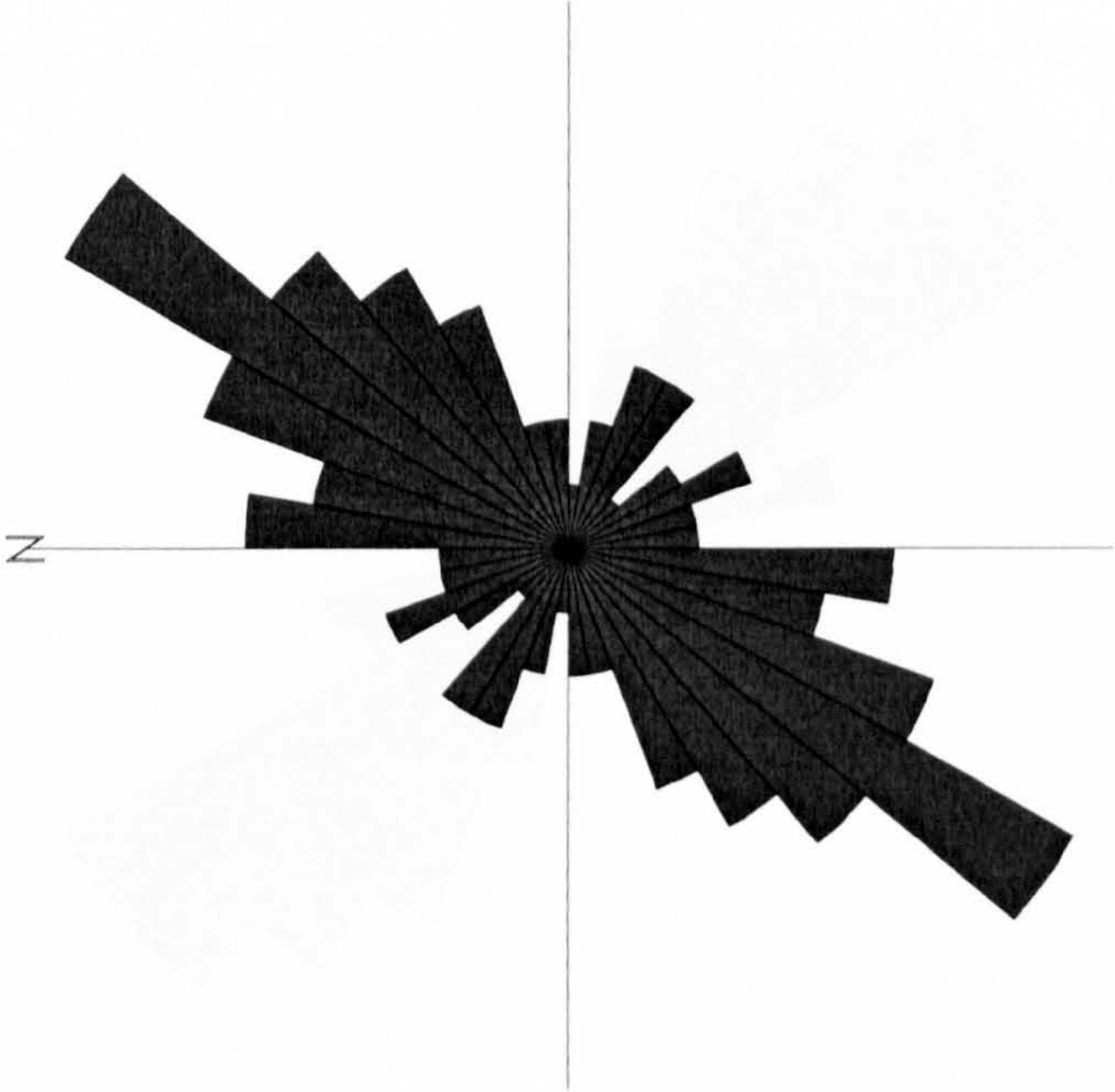
Mean direction = 123.4    +-    13.7    Class 1  
NO OF DATA POINTS    3712

RCF3 Flow Zone  
DEPTH RANGE FROM: 911.0 TO 919.0 METRES



Mean direction = 96.5 +- 22.7 Class 3  
NO OF DATA POINTS 3712

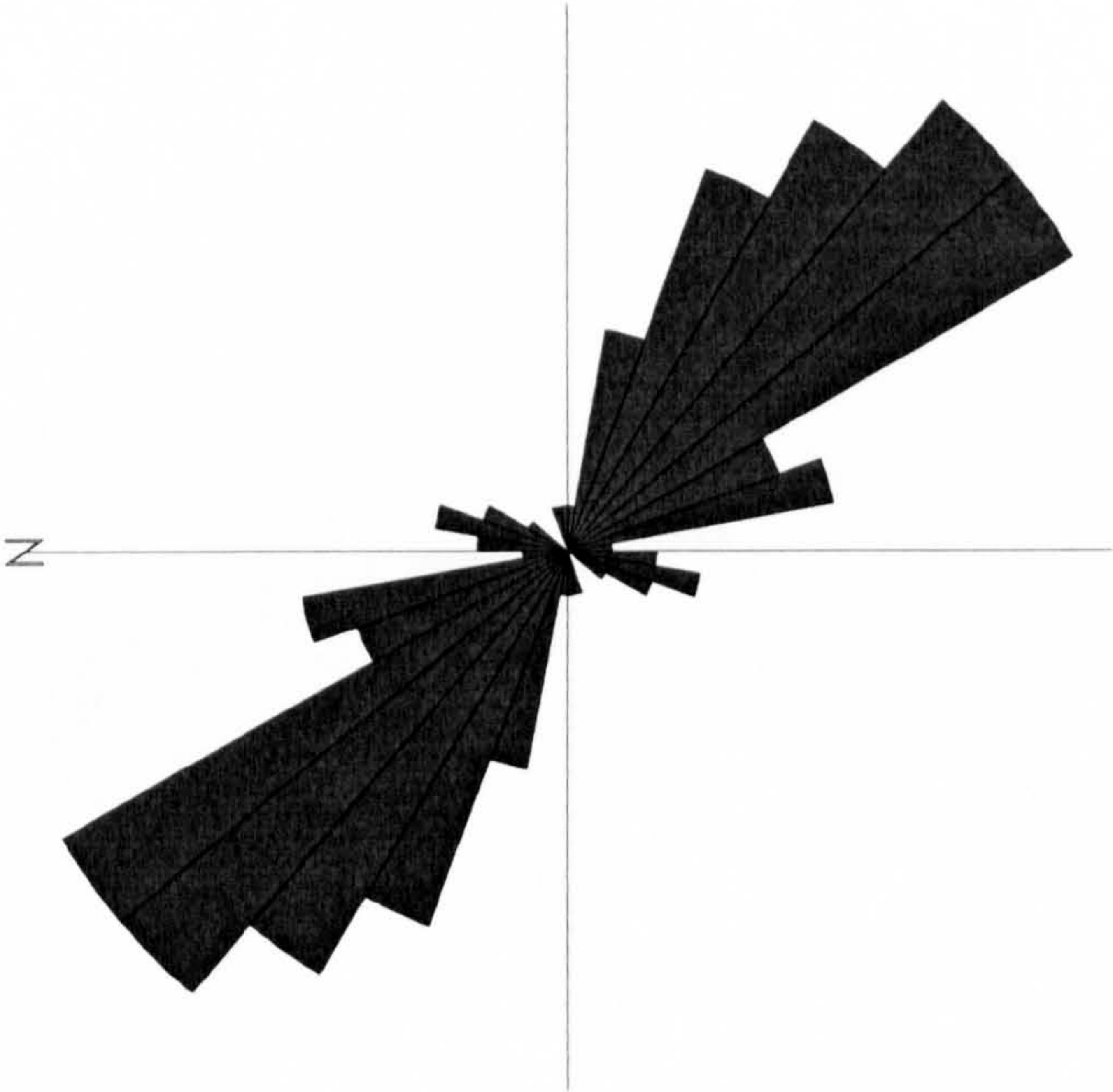
RCF3 Flow Zone  
DEPTH RANGE FROM: 948.0 TO 963.0 METRES



Mean direction = 36.9 +- 20.1 Class 3  
NO OF DATA POINTS 3712

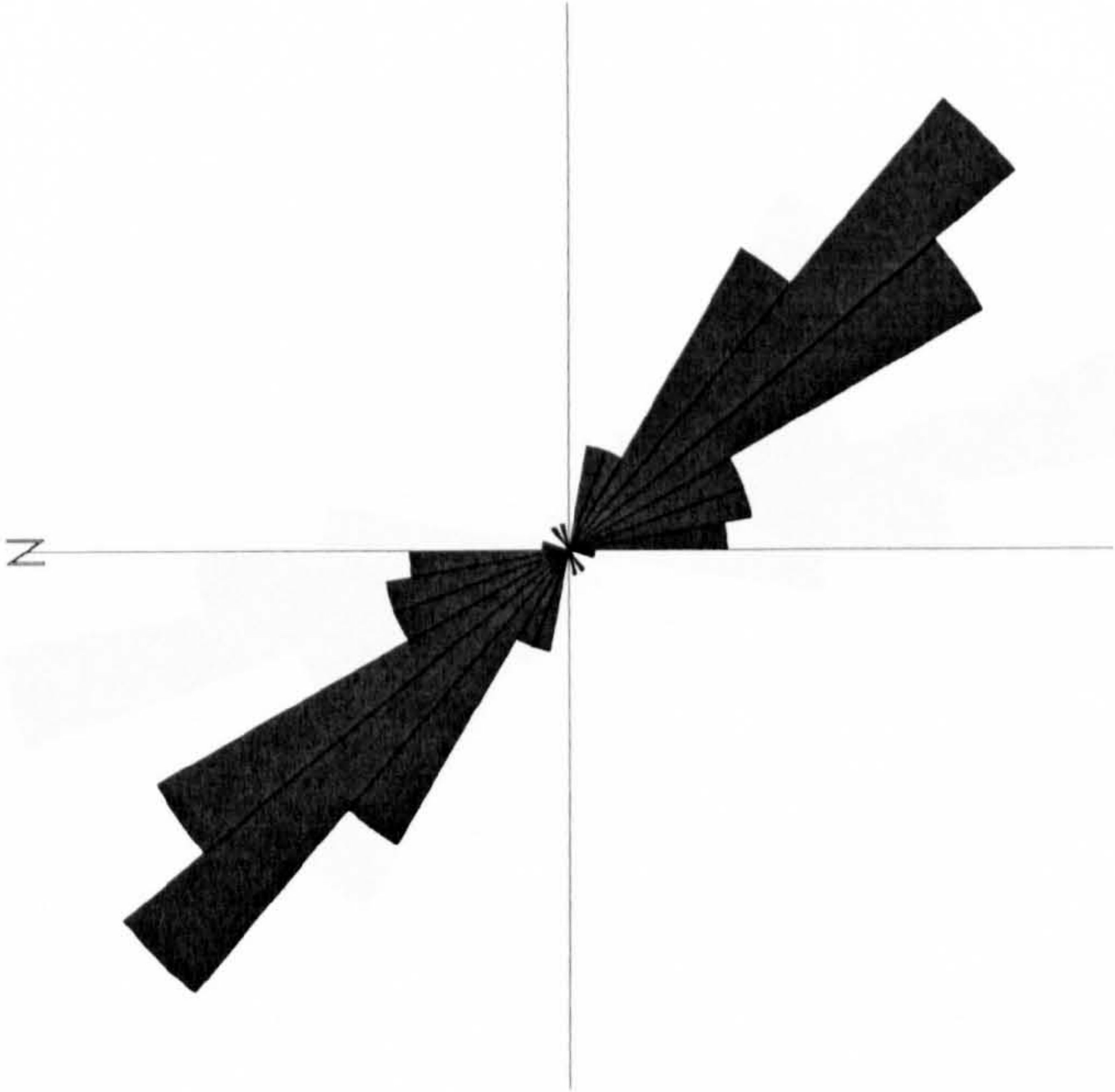


RCM 1 Flow Zone  
DEPTH RANGE FROM: 80.0 TO 90.0 METRES



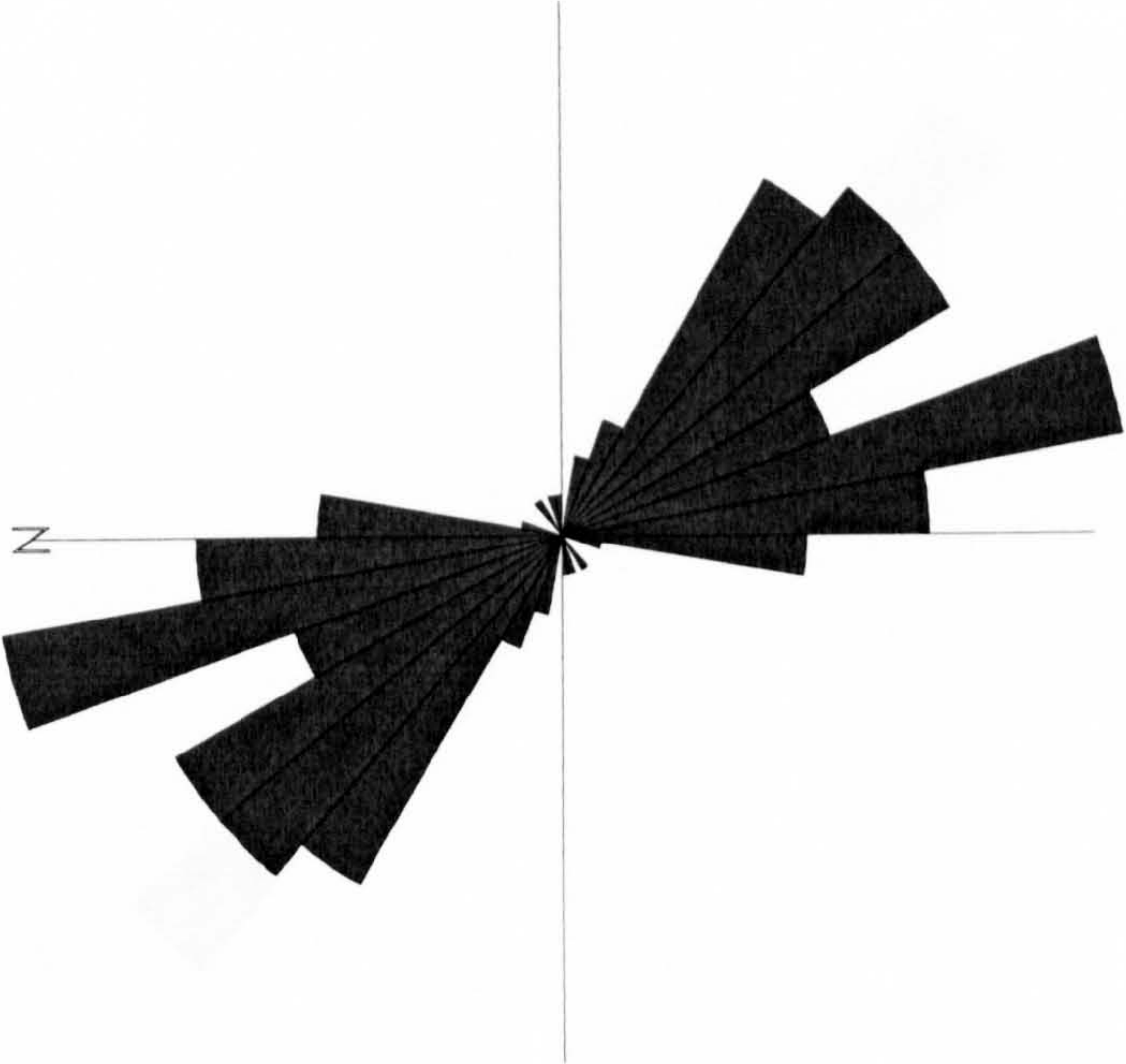
Mean direction = 134.8    +-    17.8    Class 1  
NO OF DATA POINTS    7126

RCM 1 Flow Zone  
DEPTH RANGE FROM: 101.0 TO 111.0 METRES



Mean direction = 140.2    +-    17.3    Class 1  
NO OF DATA POINTS    7126

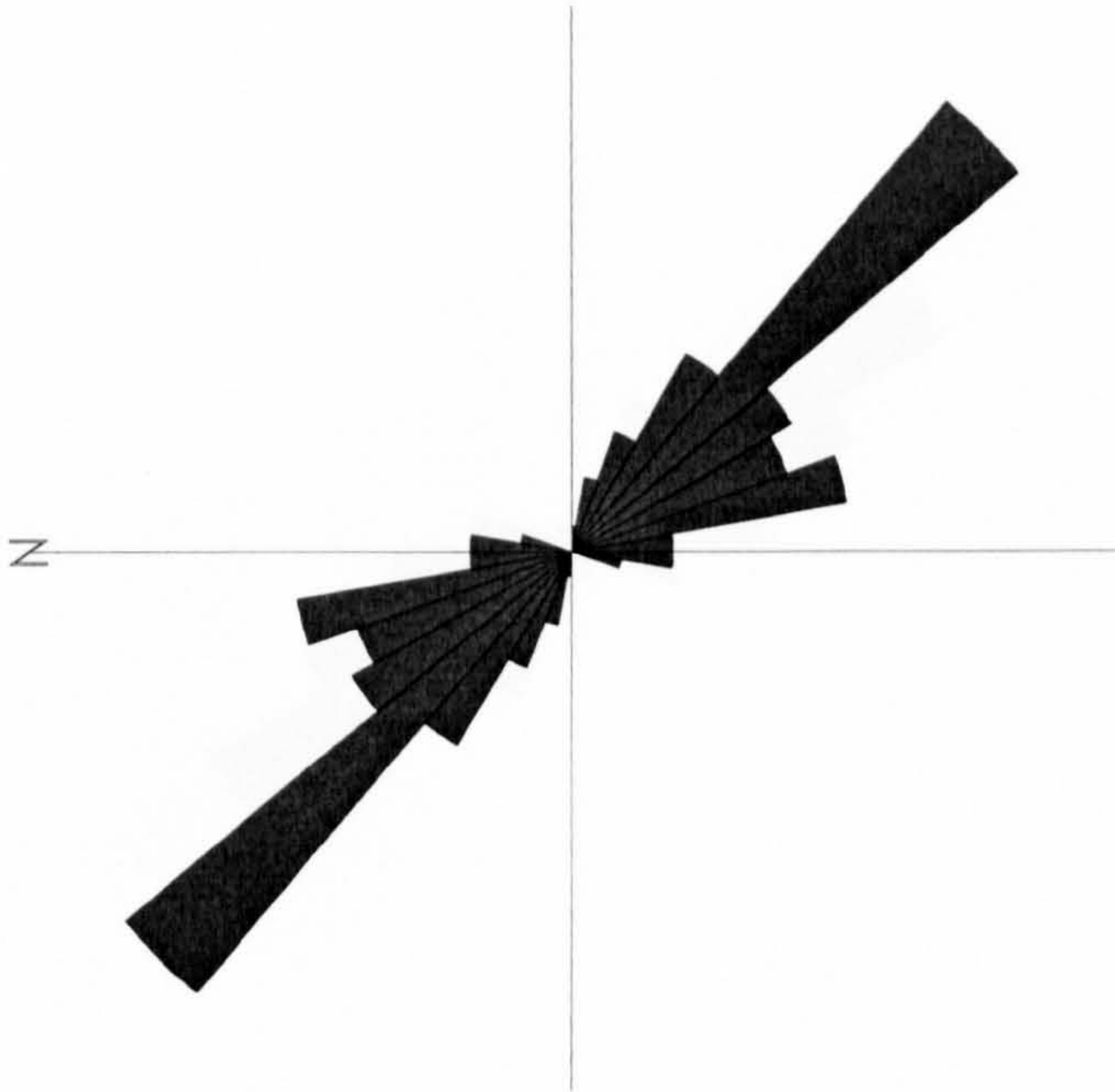
RCM 1 Flow Zone  
DEPTH RANGE FROM: 107.0 TO 117.0 METRES



Mean direction = 149.5 +- 16.8  
NO OF DATA POINTS 7126 Class 1

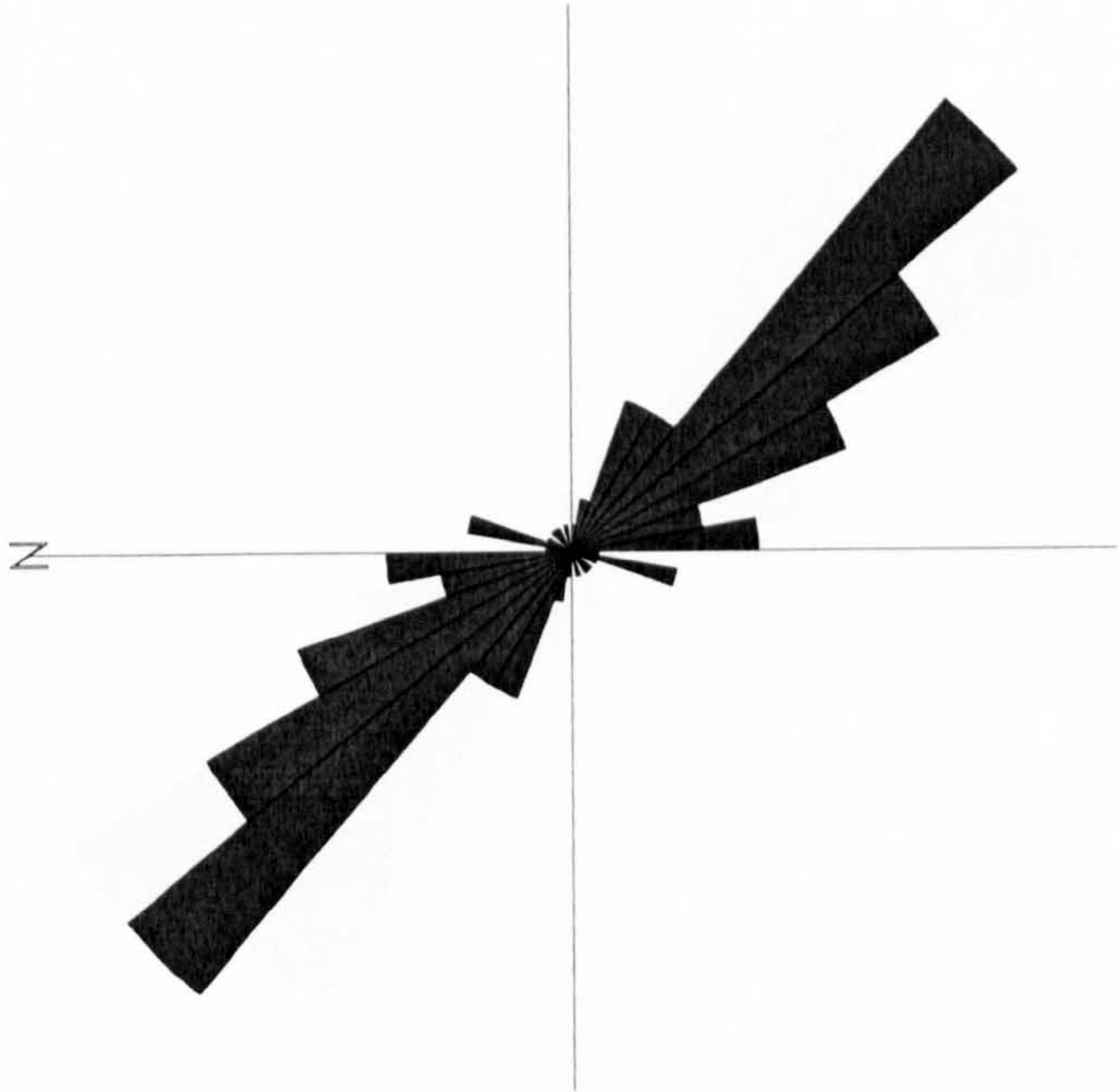


RCM 1 Flow Zone  
DEPTH RANGE FROM: 112.0 TO 122.0 METRES



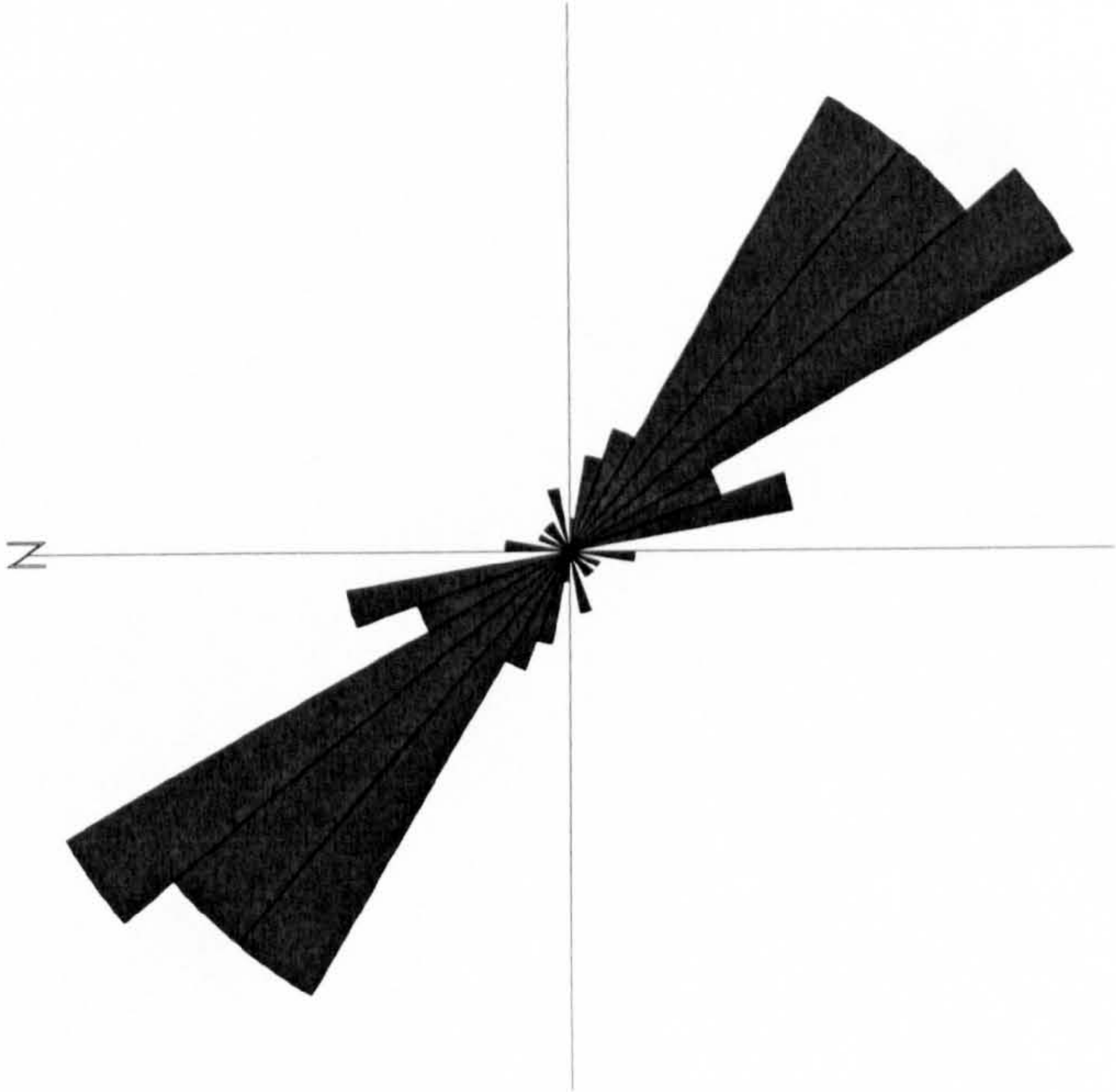
Mean direction = 140.9 +  
NO OF DATA POINTS 7126 Class 1

RCM 1 Flow Zone  
DEPTH RANGE FROM: 120.0 TO 130.0 METRES



Mean direction = 142.3    +<sup>-</sup> 17.4    Class 1  
NO OF DATA POINTS    7126

RCM 1 Flow Zone  
DEPTH RANGE FROM: 150.0 TO 160.0 METRES

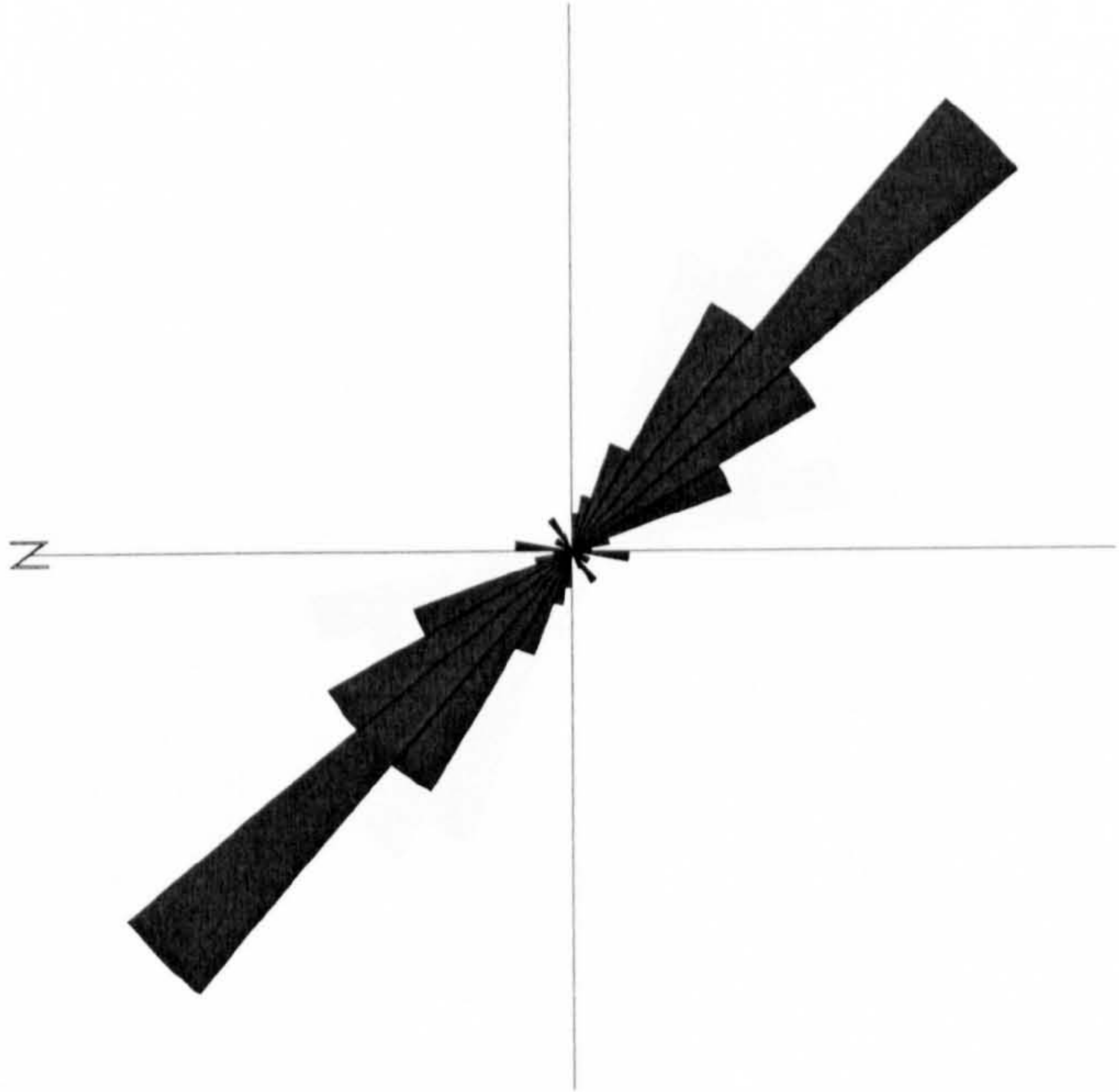


Mean direction = 137.1°  
NO OF DATA POINTS 7126

Class 1

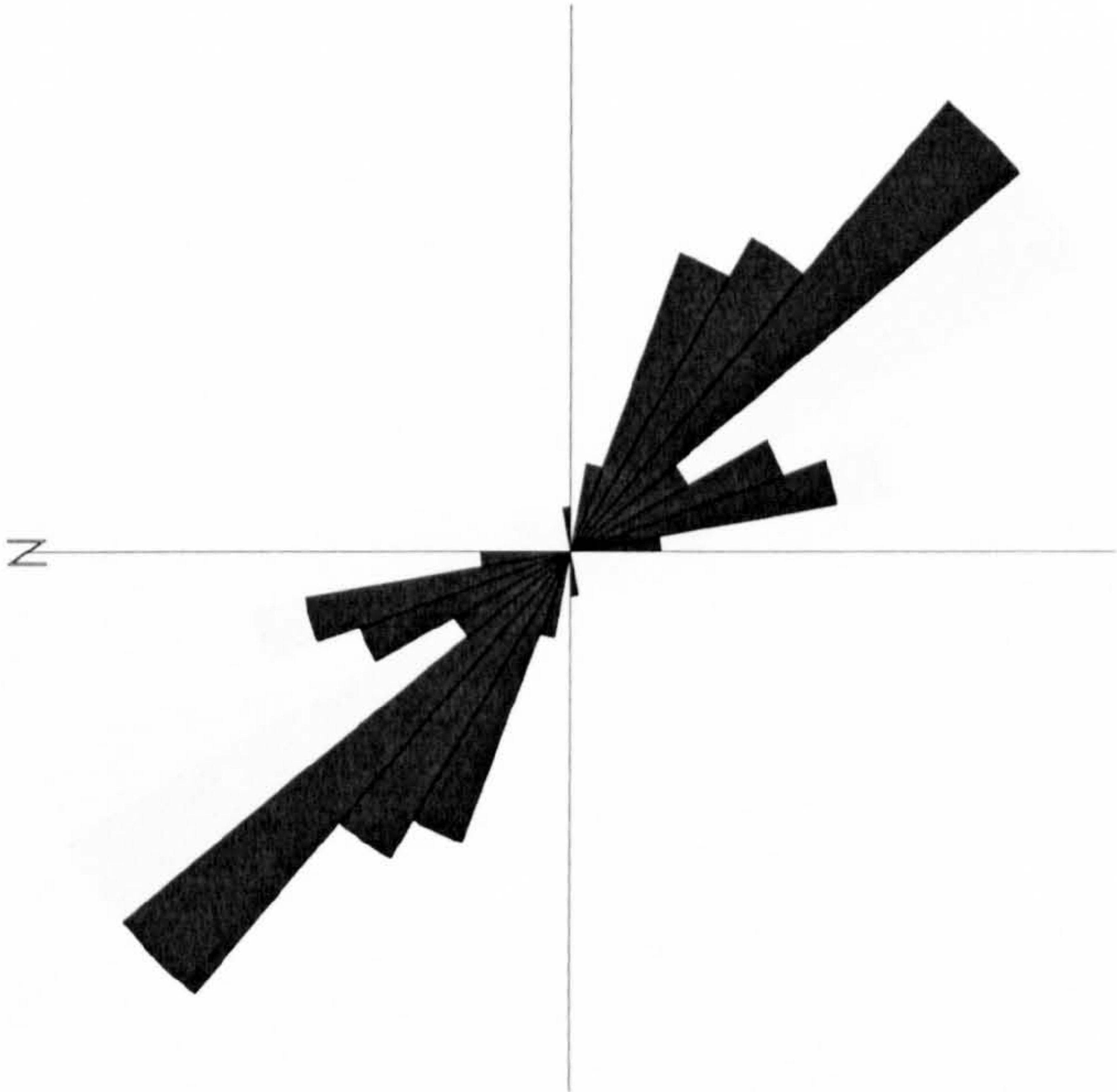


RCM 1 Flow Zone  
DEPTH RANGE FROM: 162.0 TO 172.0 METRES



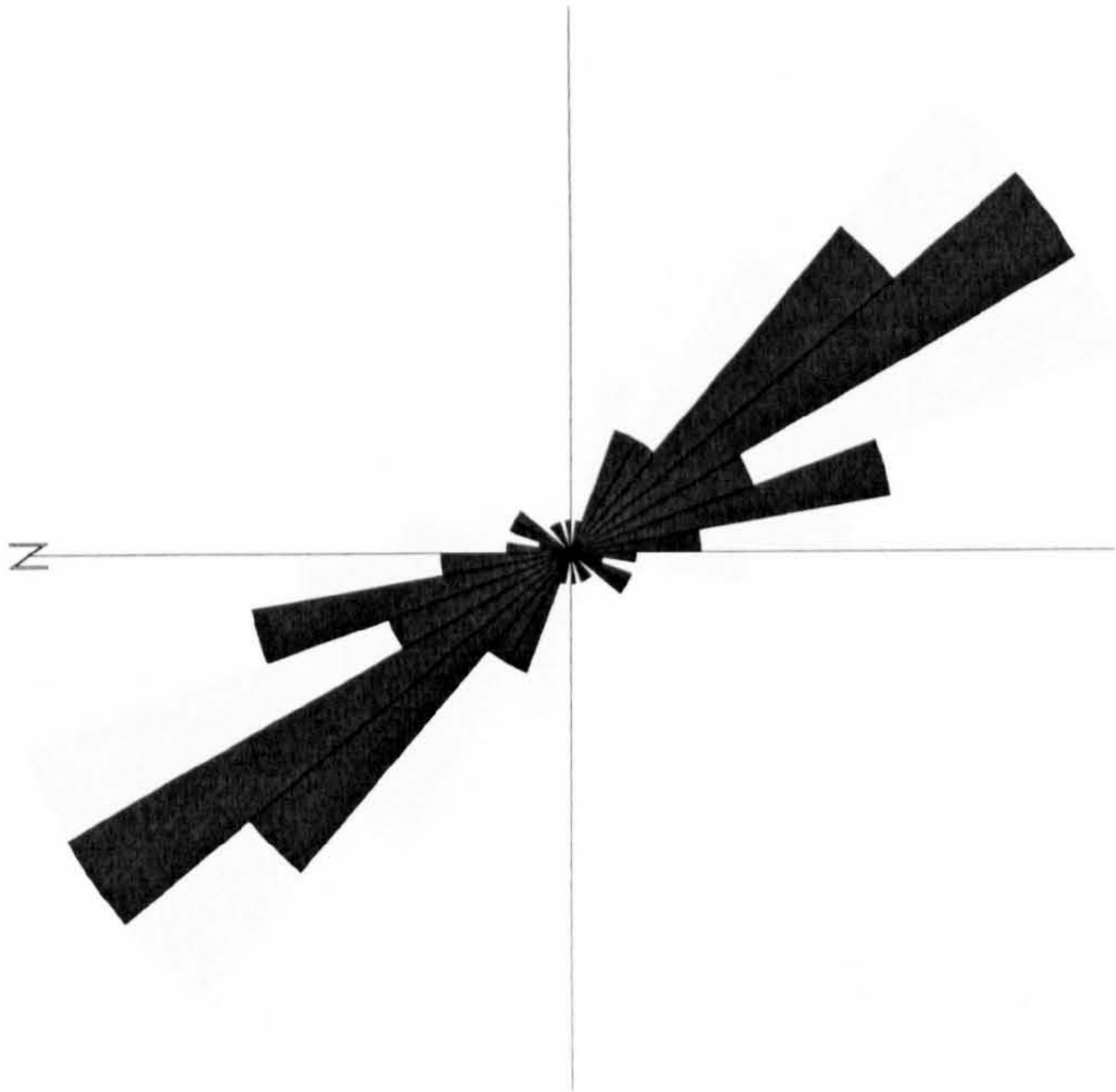
Mean direction = 134.8    +-    14.9    Class 1  
NO OF DATA POINTS    7126

RCM 1 Flow Zone  
DEPTH RANGE FROM: 270.0 TO 275.0 METRES



Mean direction = 137.3    +-    18.7    Class 1  
NO OF DATA POINTS    7126

RCM 1 Flow Zone  
DEPTH RANGE FROM: 275.0 TO 283.0 METRES

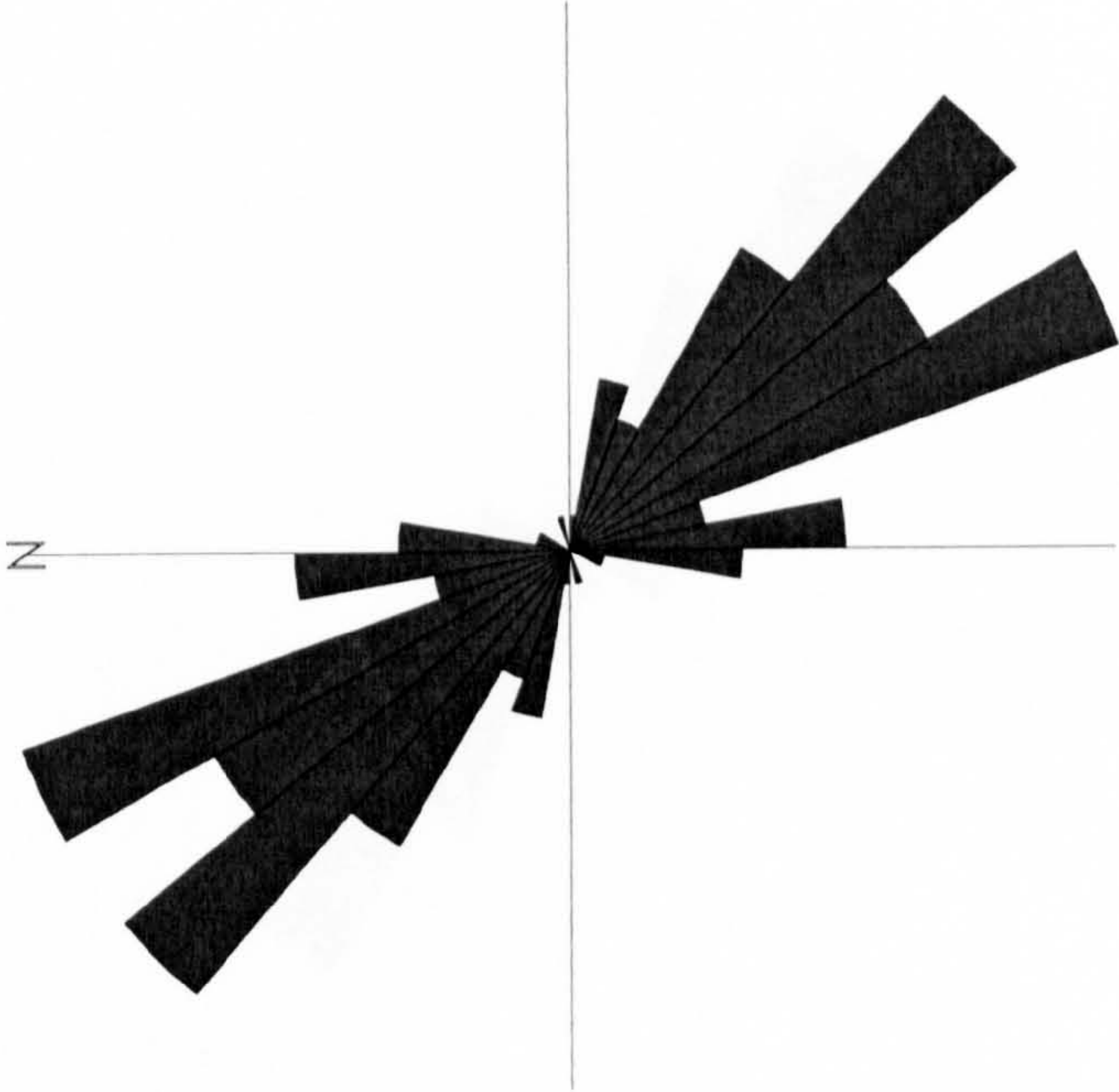


Mean direction = 144.4°  
NO OF DATA POINTS 7126

Class 1



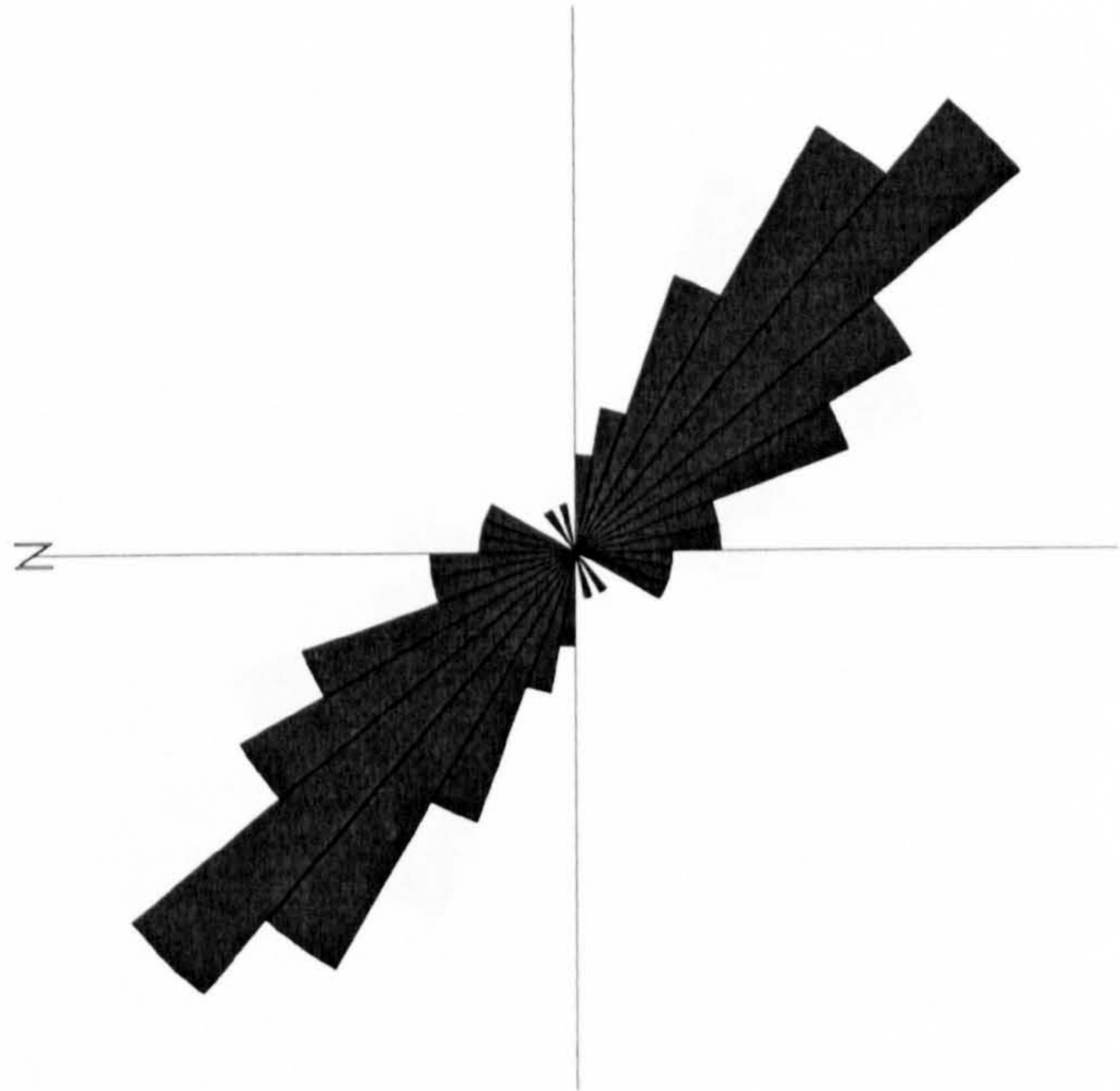
RCM 1 Flow Zone  
DEPTH RANGE FROM: 303.0 TO 313.0 METRES



Mean direction = 141.7 +  
NO OF DATA POINTS 7126

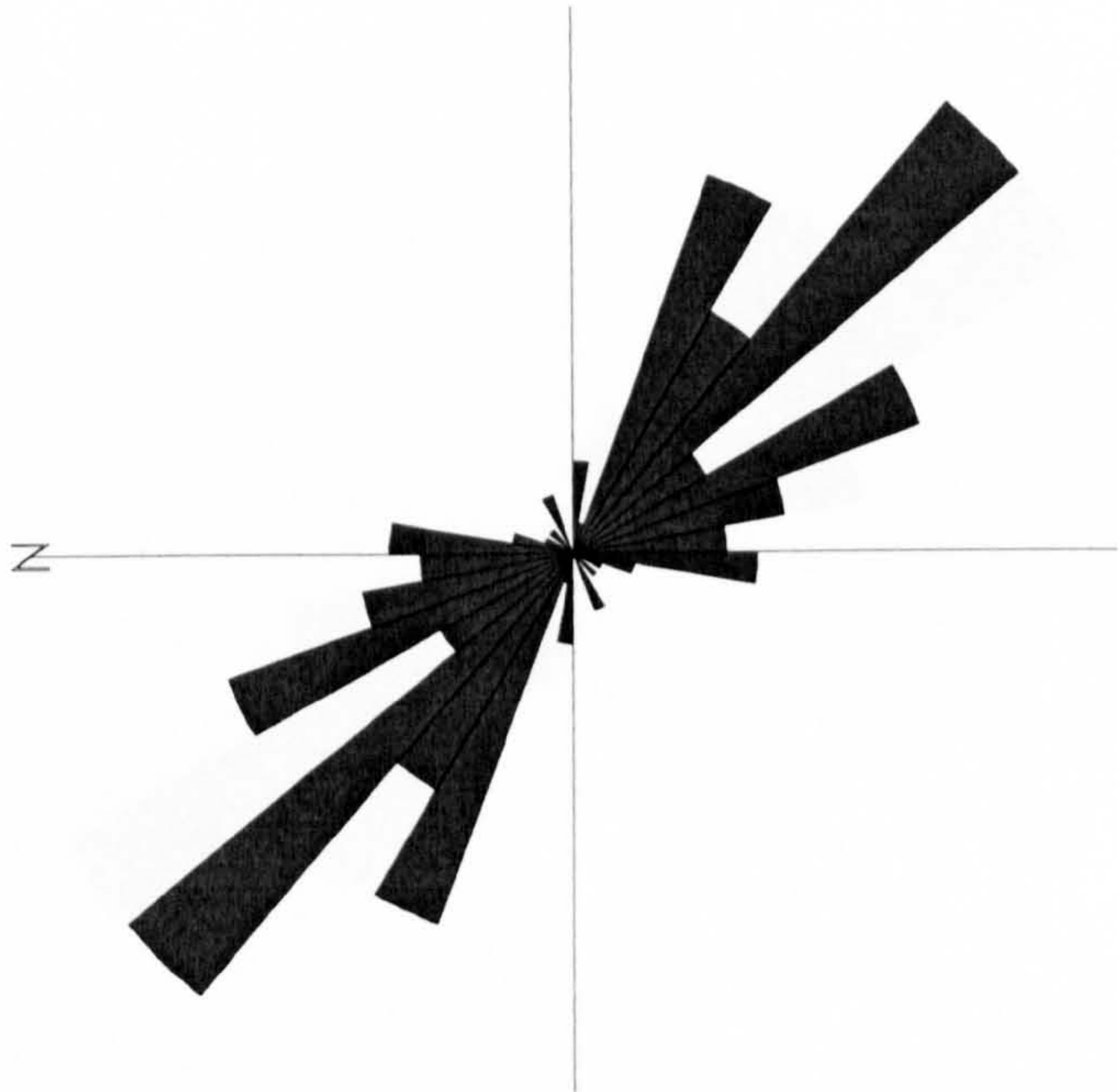
Class 1

RCM 1 Flow Zone  
DEPTH RANGE FROM: 324.0 TO 332.0 METRES



Mean direction = 135.7 + - 19.1  
NO OF DATA POINTS 7126 Class 1

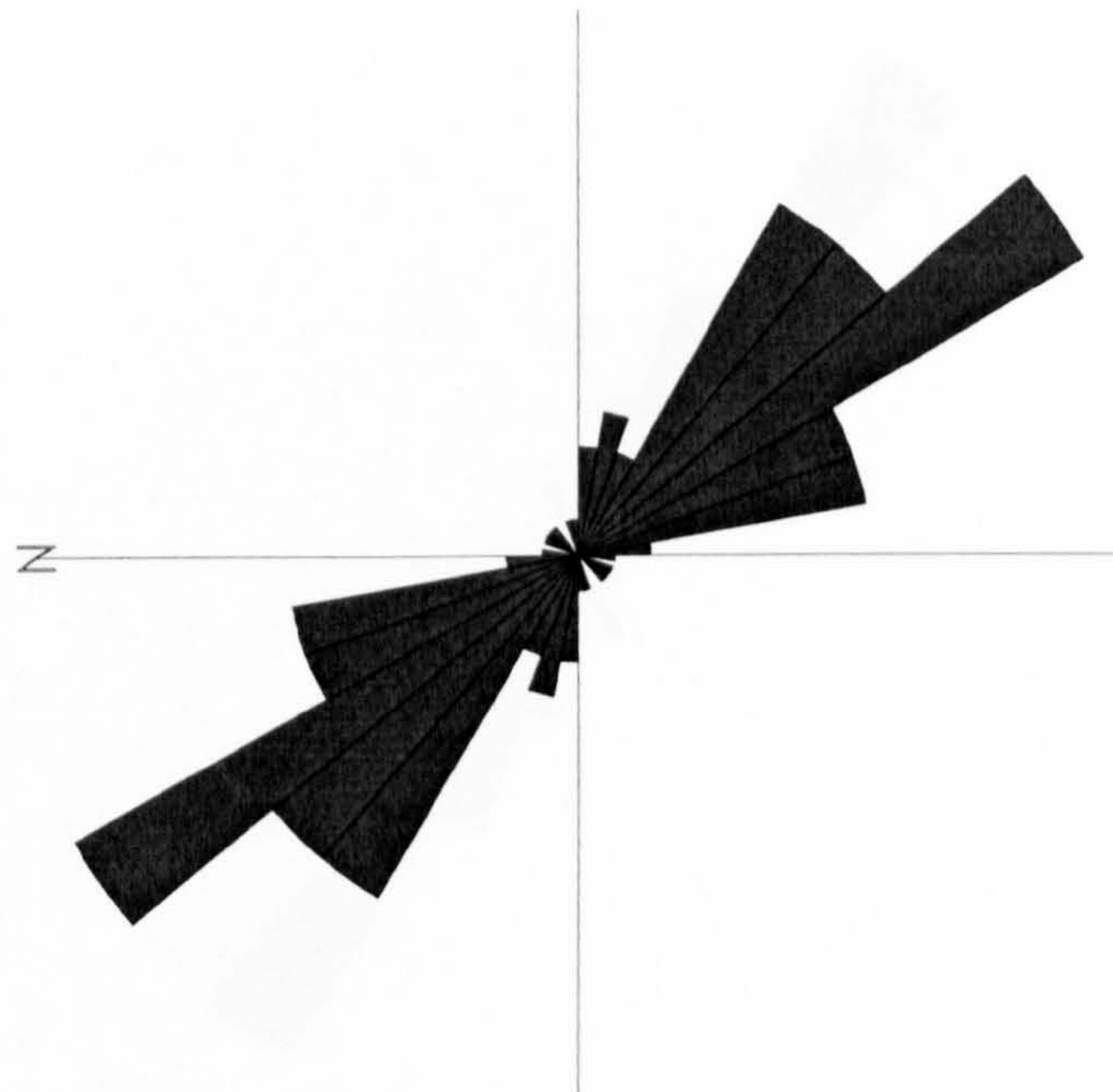
RCM 1 Flow Zone  
DEPTH RANGE FROM: 355.0 TO 365.0 METRES



Mean direction = 137.7 +<sup>-</sup> 20.2  
NO OF DATA POINTS 7126 Class 3

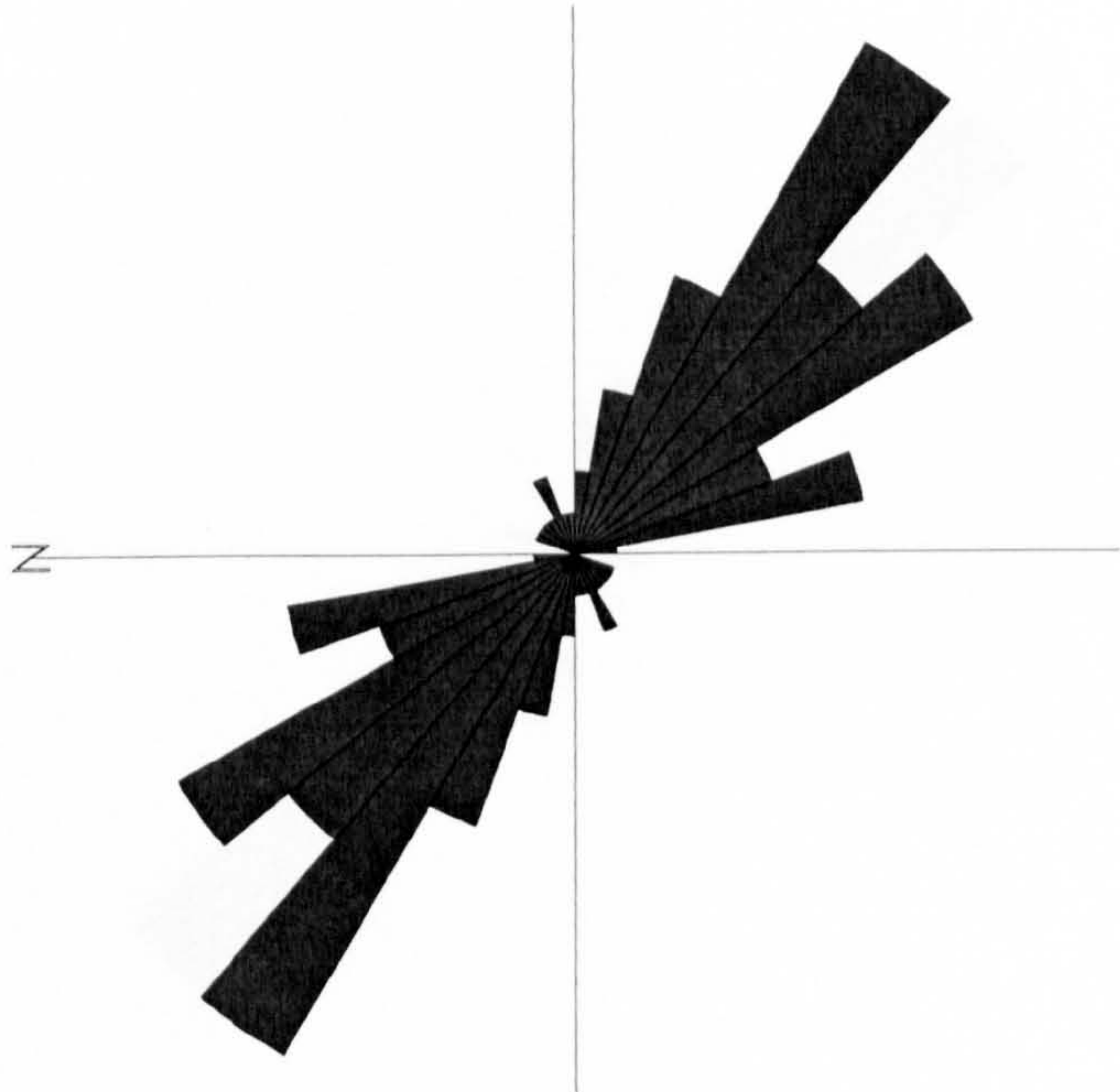


RCM 1 Flow Zone  
DEPTH RANGE FROM: 379.0 TO 389.0 METRES



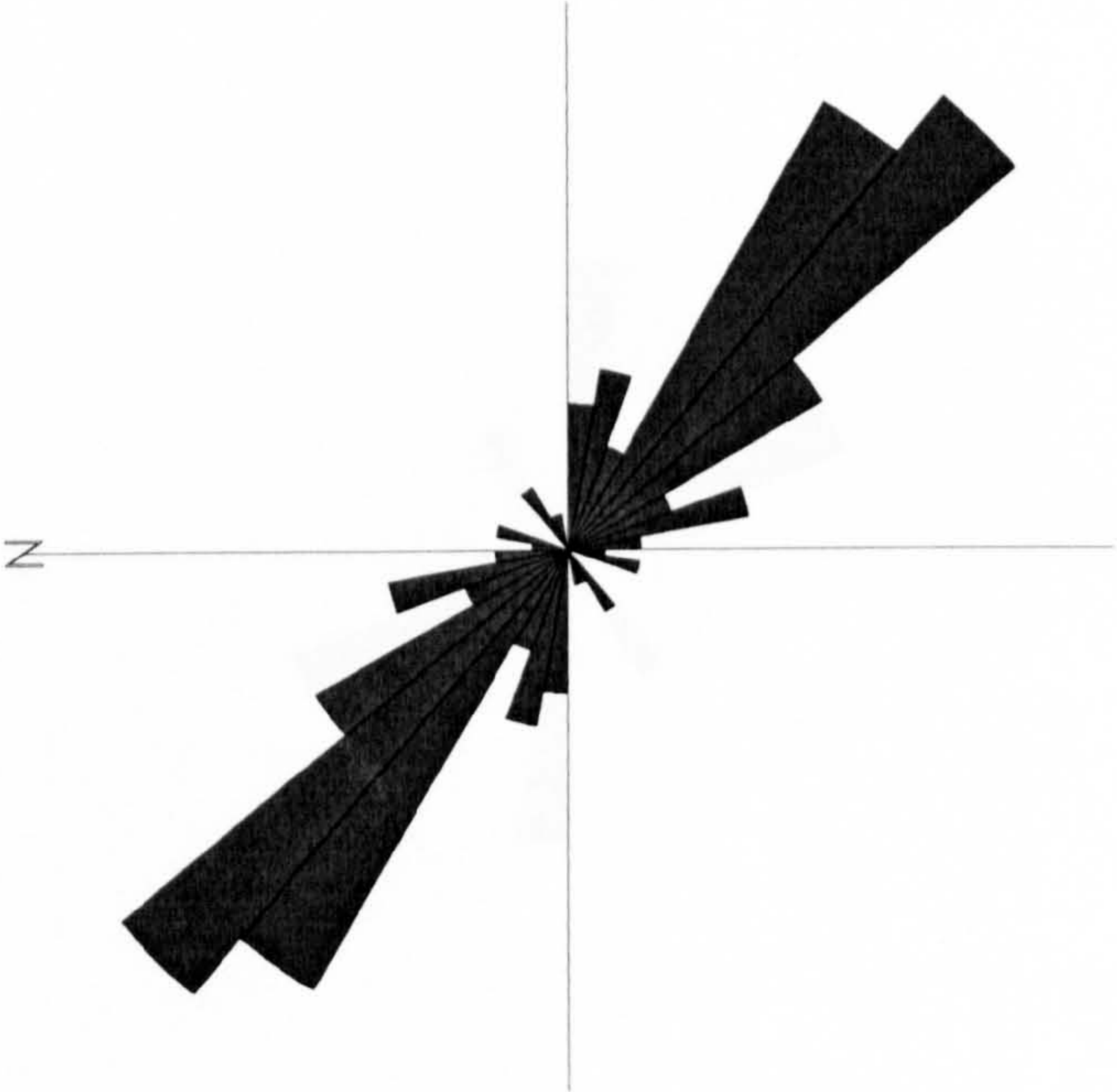
Mean direction =	140.2	+-	17.4	Class 1
NO OF DATA POINTS	7126			

RCM 1 Flow Zone  
DEPTH RANGE FROM: 384.0 TO 394.0 METRES



Mean direction = 133.1 +- 18.8  
NO OF DATA POINTS 7126 Class 1

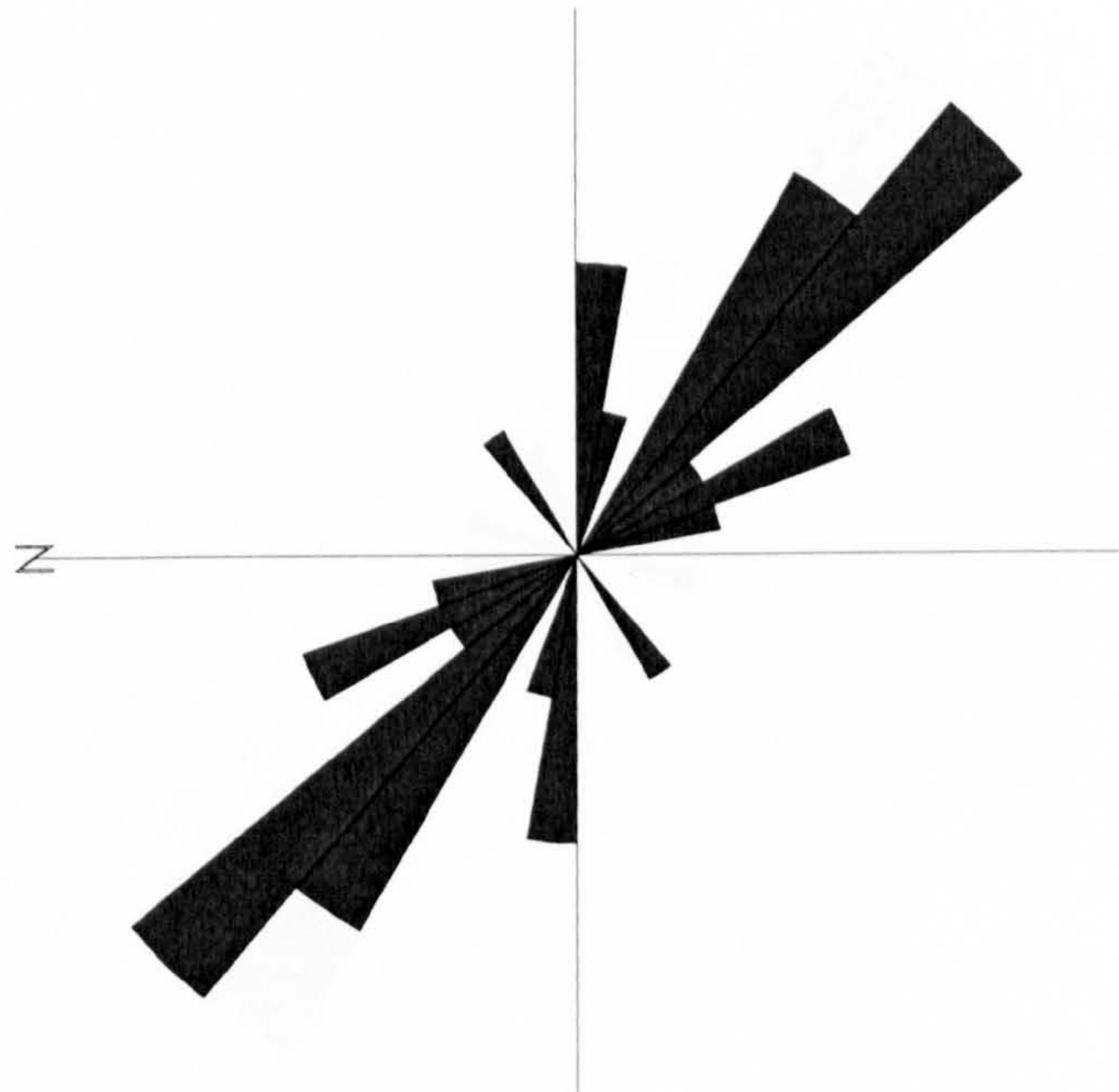
RCM 1 Flow Zone  
DEPTH RANGE FROM: 398.5 TO 408.5 METRES



Mean direction = 133.4 +- 19.1  
NO OF DATA POINTS 7126 Class 1

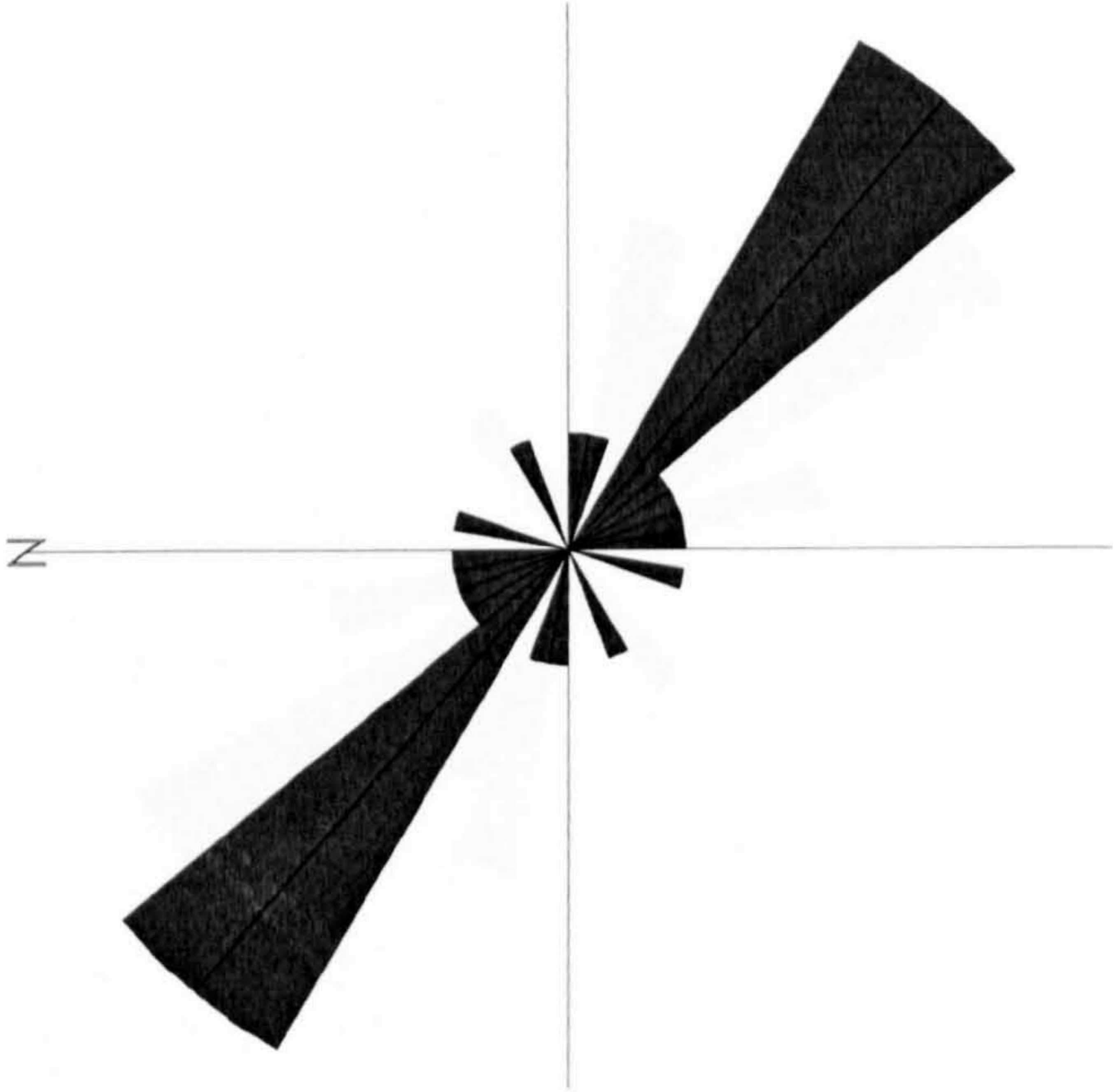


RCM 1 Flow Zone  
DEPTH RANGE FROM: 399.5 TO 402.0 METRES



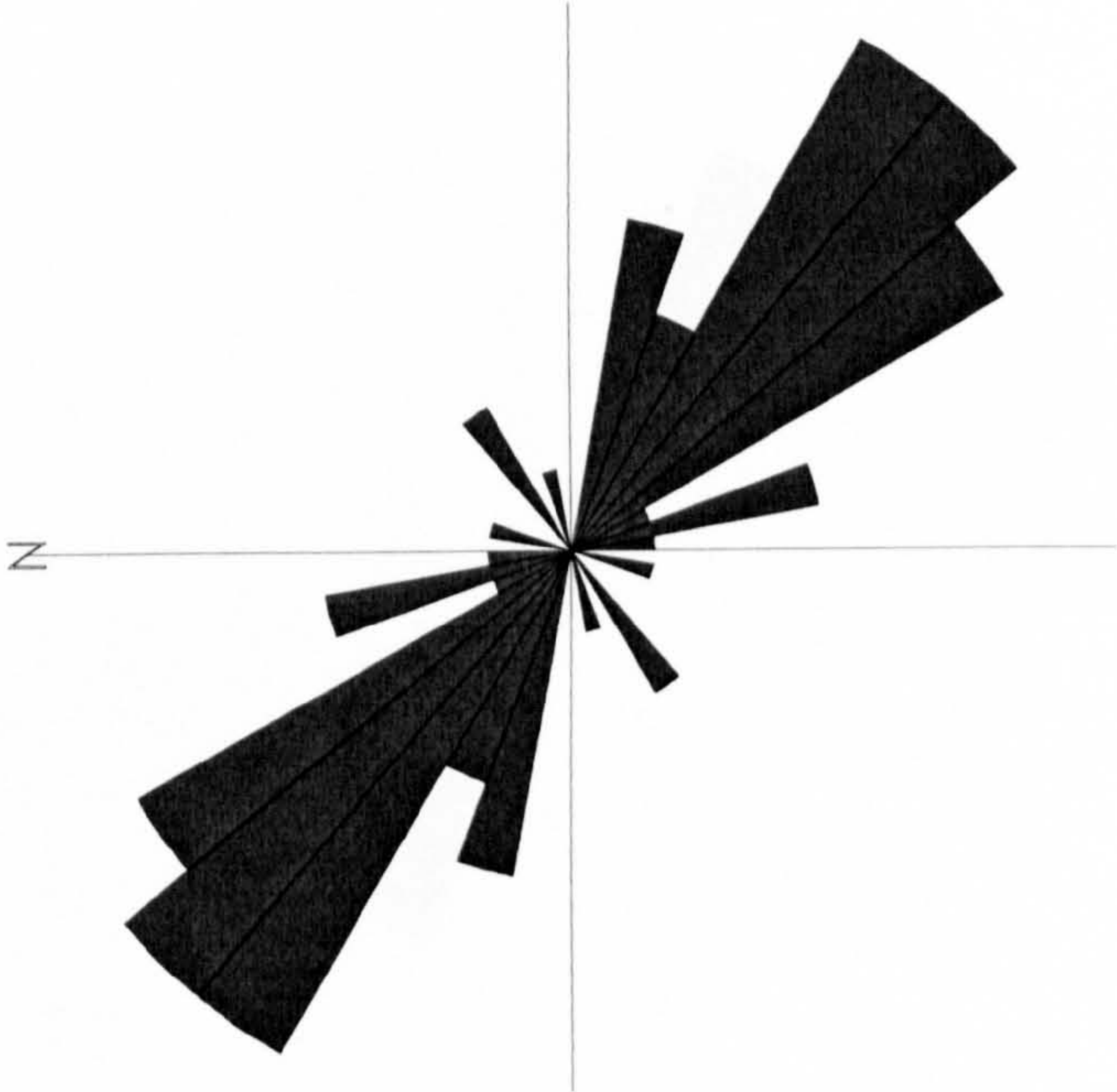
Mean direction = 131.8 + - 20.3  
NO OF DATA POINTS 7126 Class 3

RCM 1 Flow Zone  
DEPTH RANGE FROM: 402.0 TO 404.3 METRES



Mean direction = 131.4 + - 15.9 Class 1  
NO OF DATA POINTS 7126

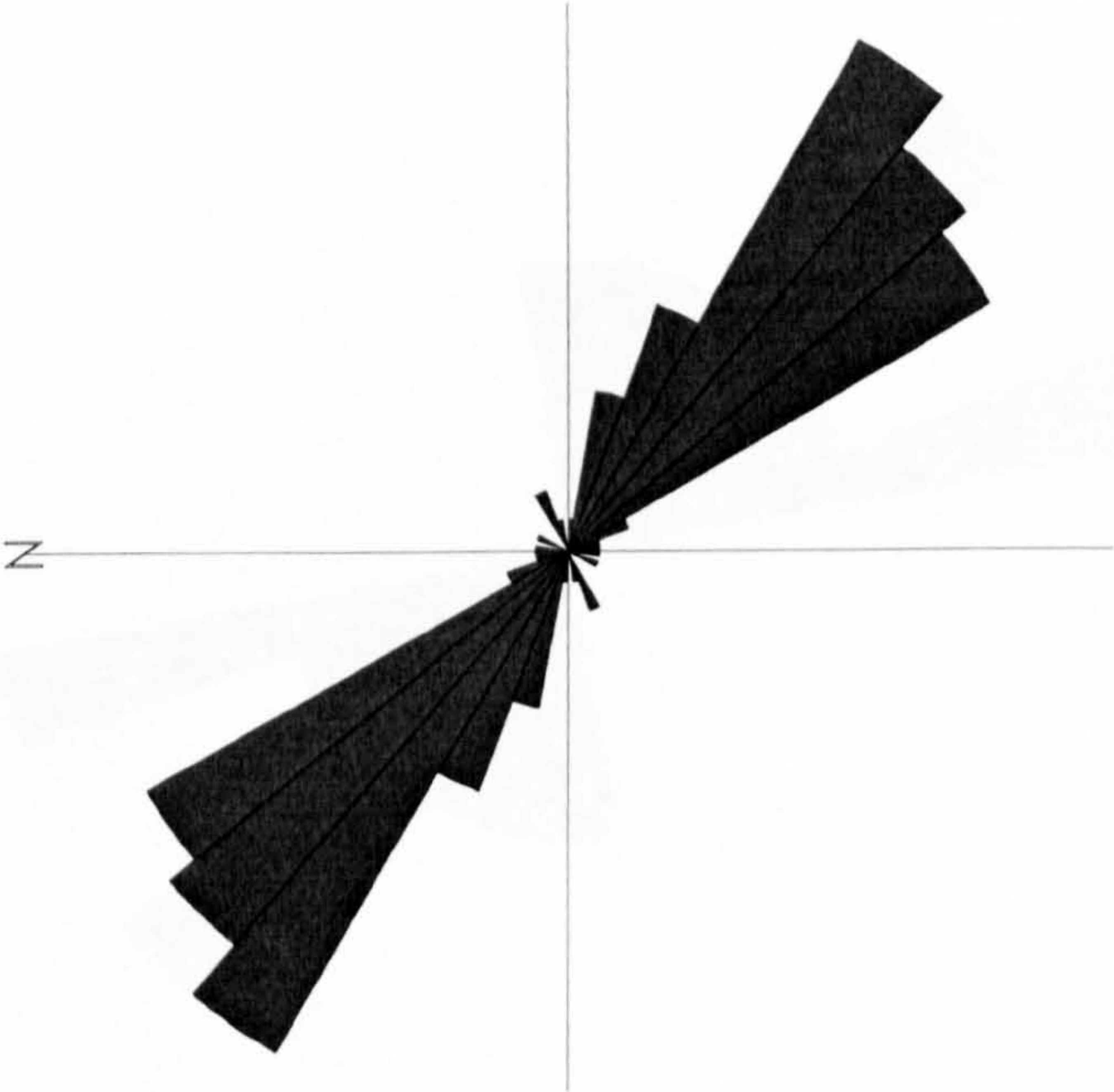
RCM 1 Flow Zone  
DEPTH RANGE FROM: 404.3 TO 409.5 METRES



Mean direction = 133.0 +- 16.2 Class 1  
NO OF DATA POINTS 7126

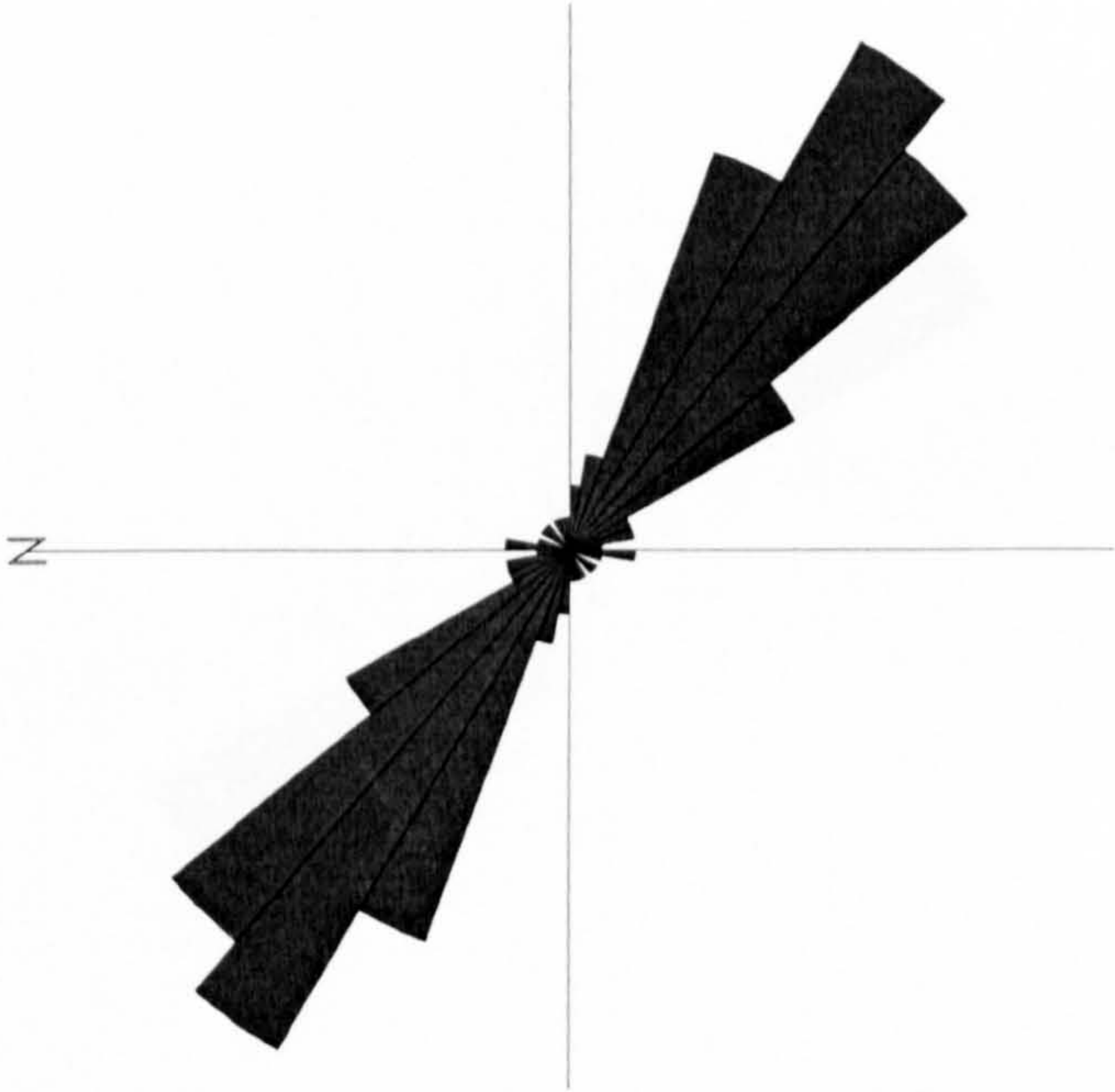


RCM 1 Flow Zone  
DEPTH RANGE FROM: 417.0 TO 427.0 METRES



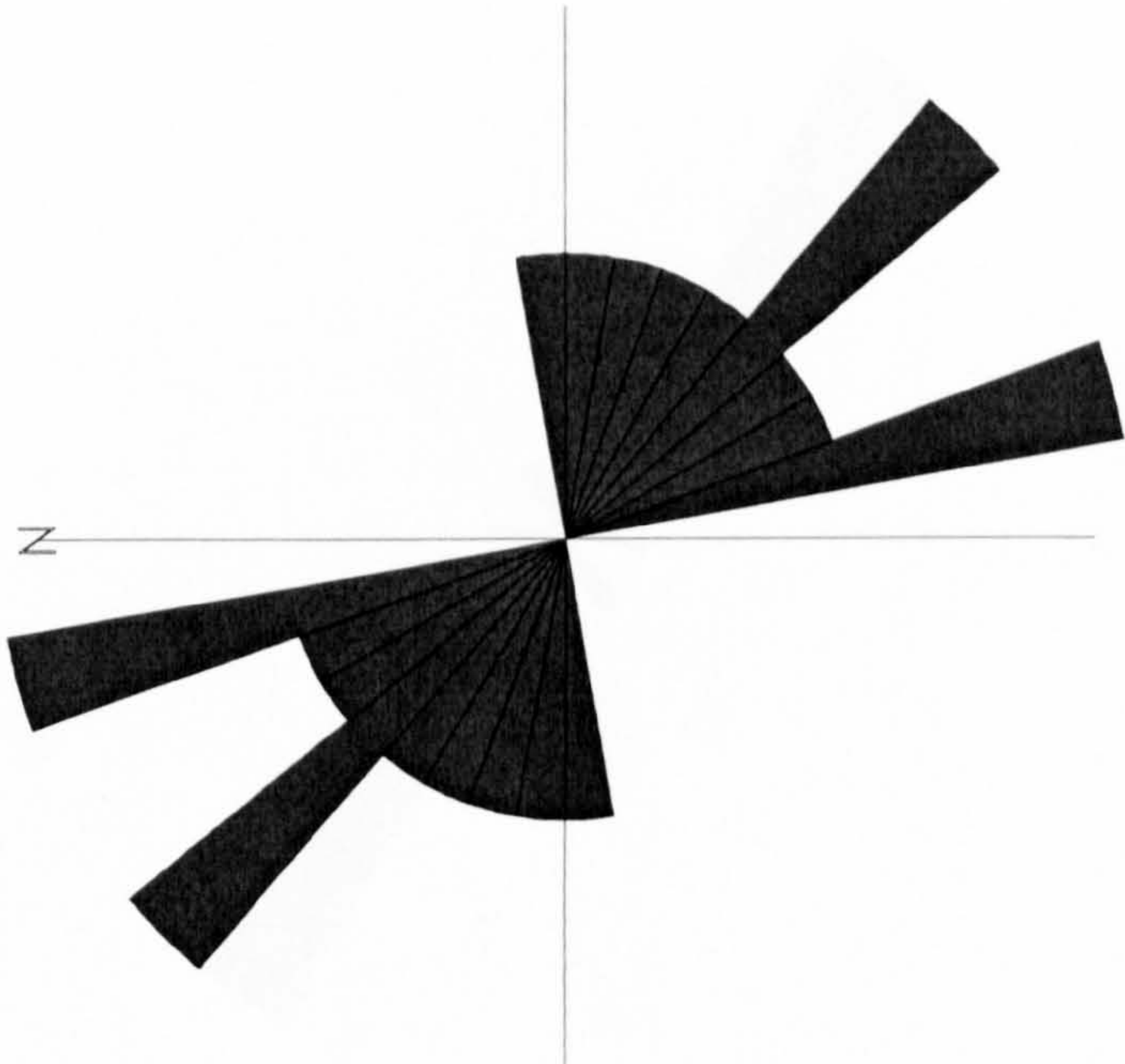
Mean direction = 130.4 +- 13.9  
NO OF DATA POINTS 7126 Class 1

RCM 1 Flow Zone  
DEPTH RANGE FROM: 409.0 TO 419.0 METRES



Mean direction = 127.6 +- 14.8  
NO OF DATA POINTS 7126 Class 1

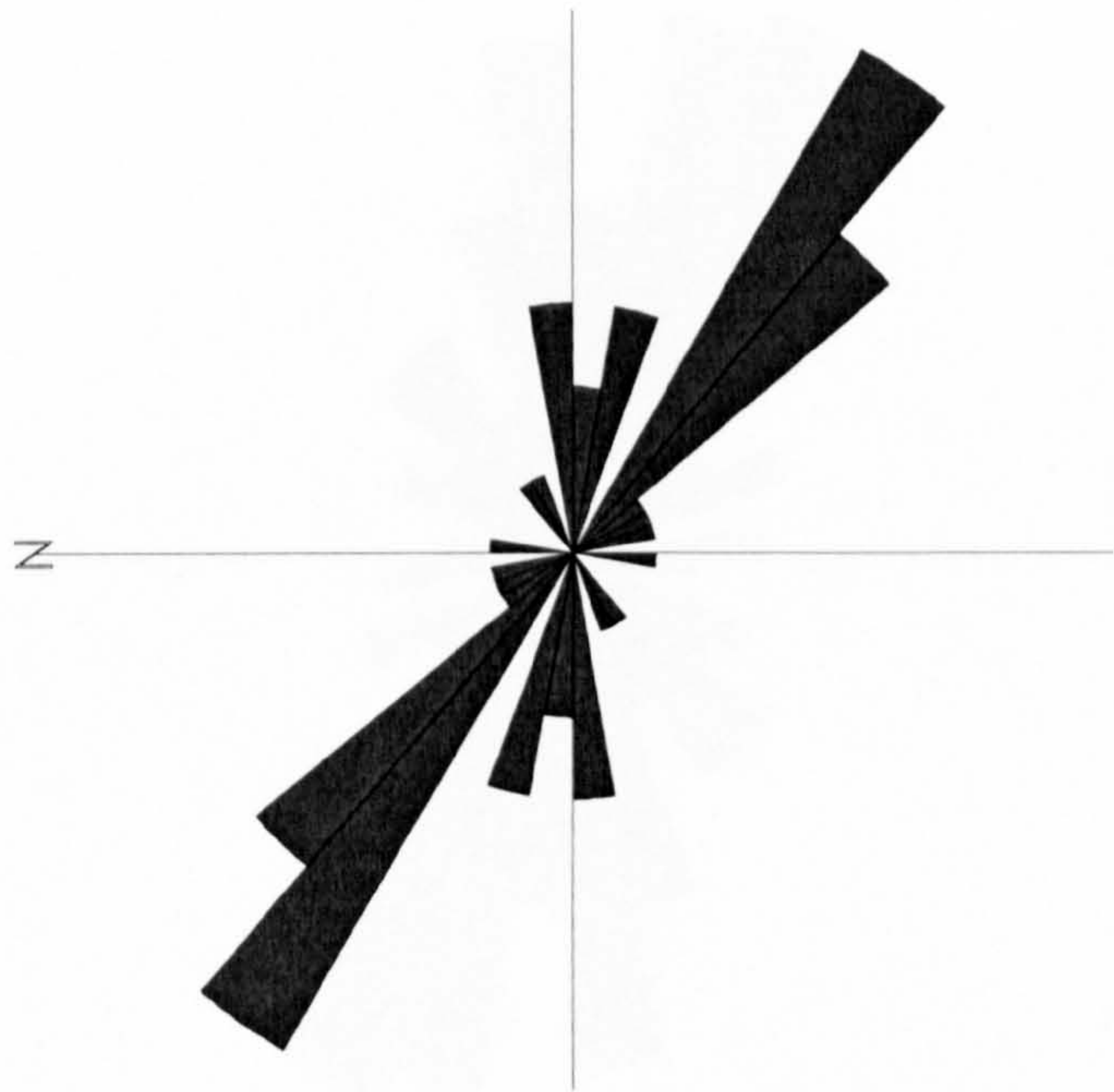
RCM 1 Flow Zone  
DEPTH RANGE FROM: 465.0 TO 470.0 METRES



Mean direction = 134.0    +-    23.5    Class 3  
NO OF DATA POINTS    7126

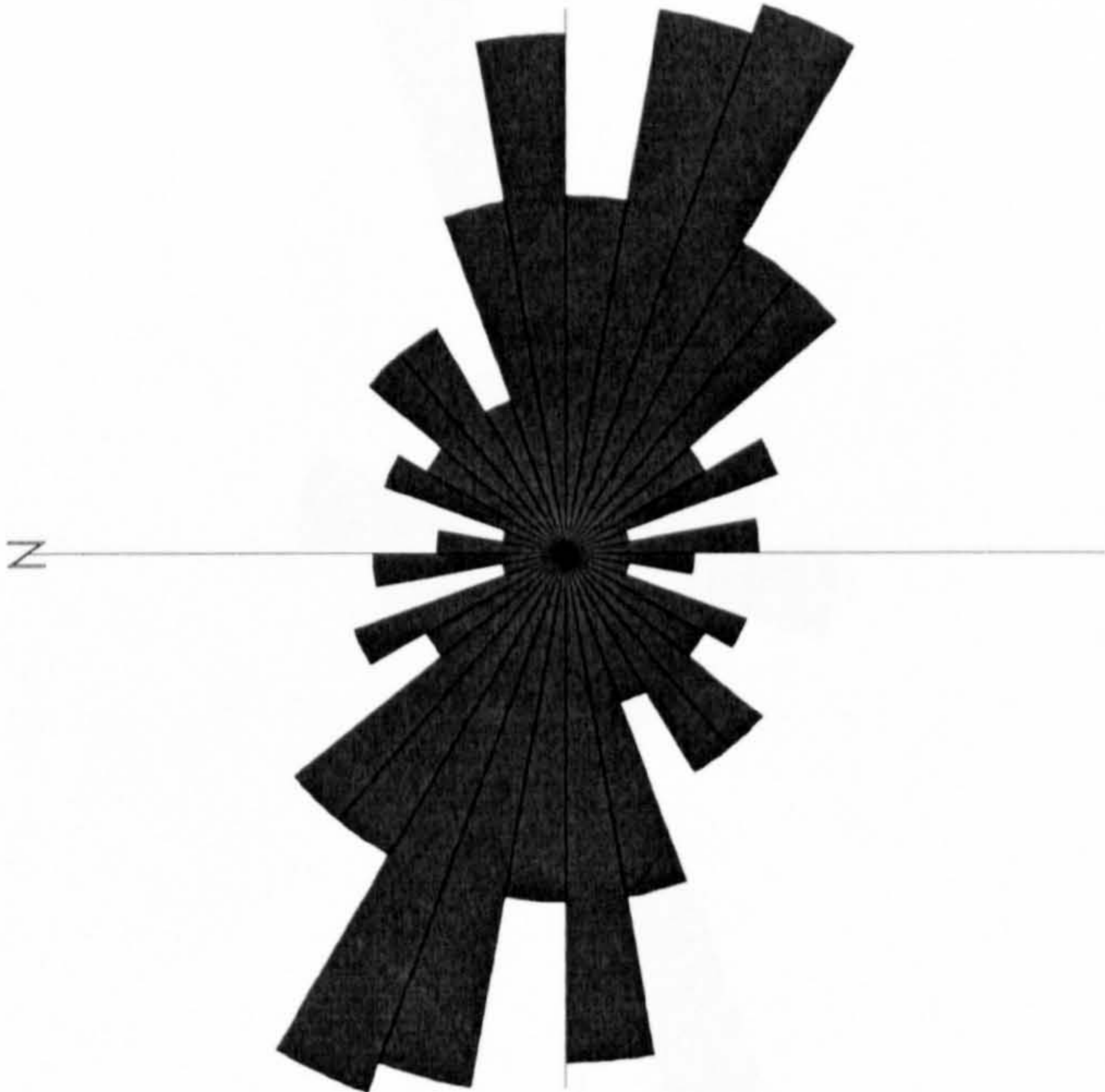


RCM 1 Flow Zone  
DEPTH RANGE FROM: 496.0 TO 504.0 METRES



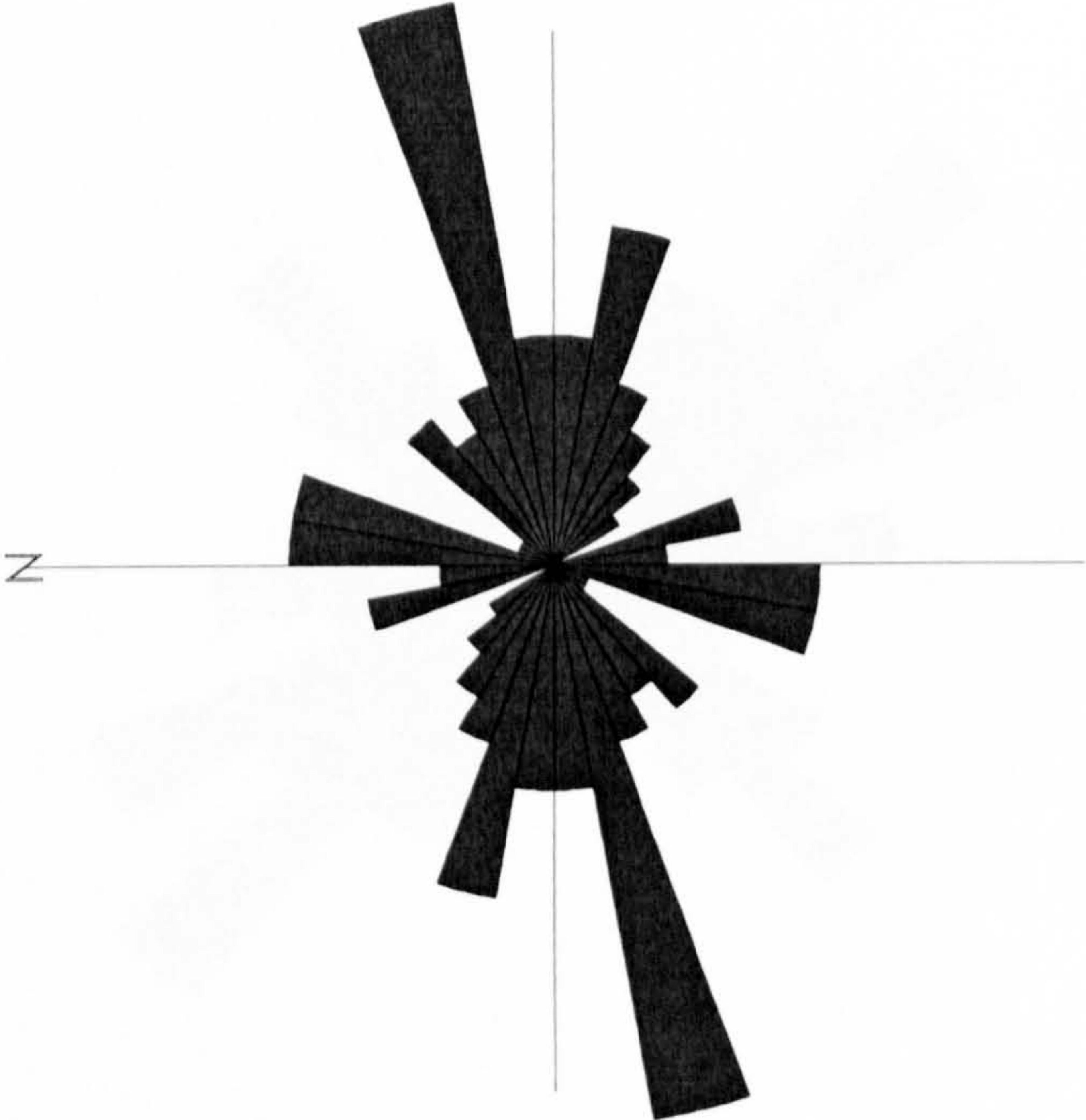
Mean direction = 121.0    +-    20.9    Class 3  
NO OF DATA POINTS    7126

RCM 1 Flow Zone  
DEPTH RANGE FROM: 685.0 TO 700.0 METRES



Mean direction = 109.4    +-    23.2    Class 3  
NO OF DATA POINTS    7126

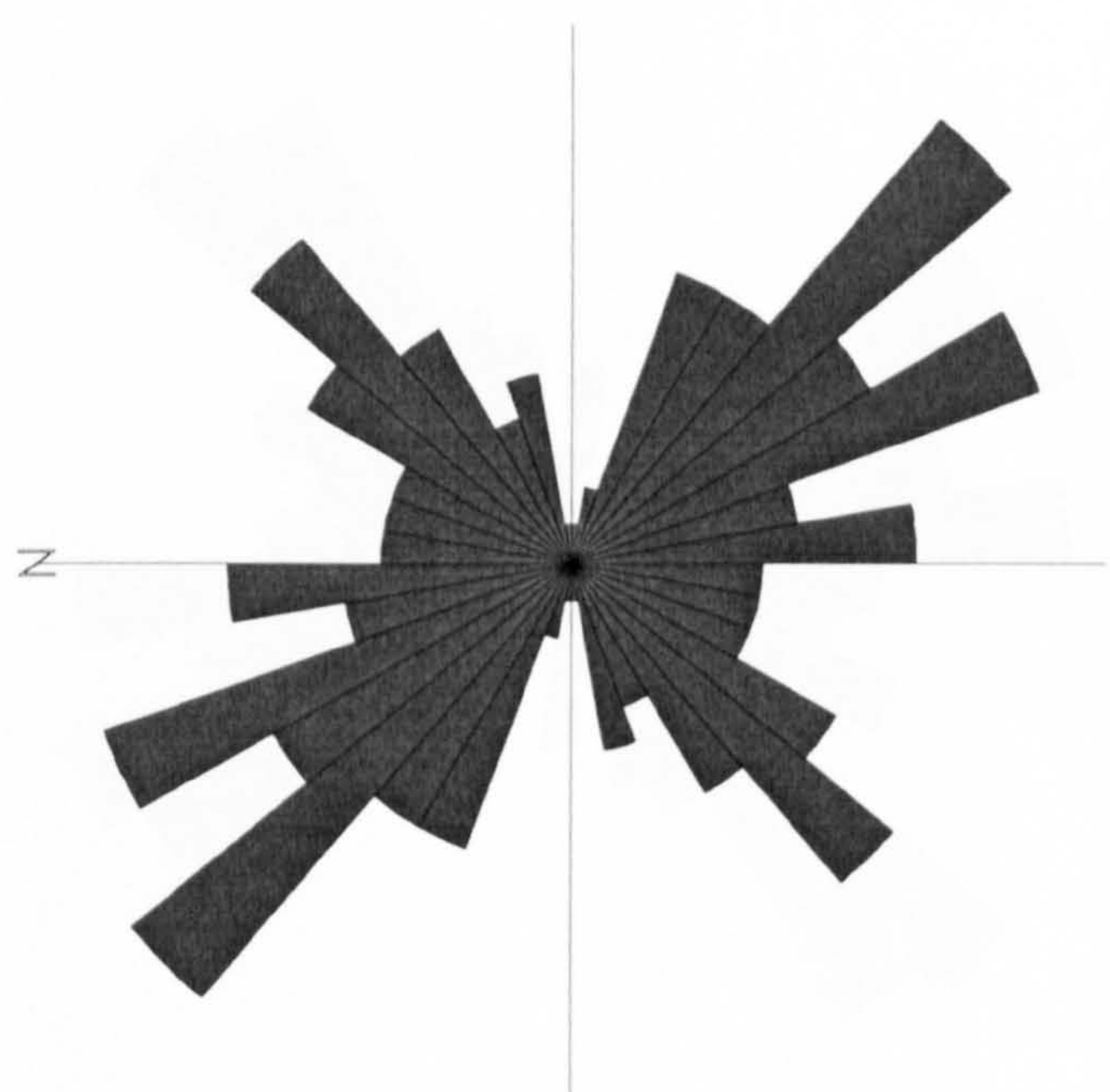
RCM 1 Flow Zone  
DEPTH RANGE FROM: 833.0 TO 843.0 METRES



Mean direction = 81.1    +-    21.6    Class 3  
NO OF DATA POINTS    7126

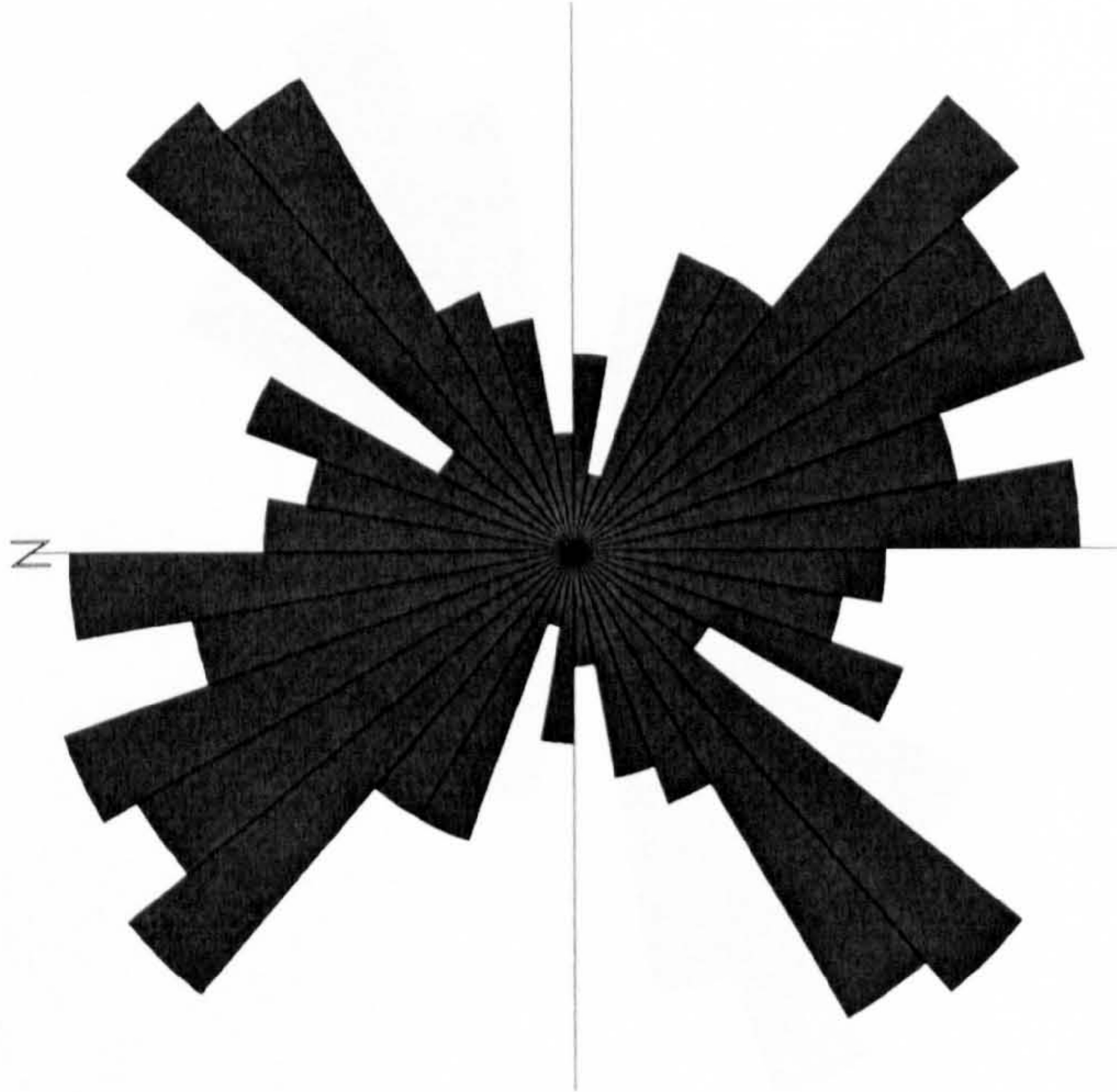


RCM 1 Flow Zone  
DEPTH RANGE FROM: 932.0 TO 946.0 METRES



Mean direction = 143.8    +-    19.9    Class 1  
NO OF DATA POINTS    7126

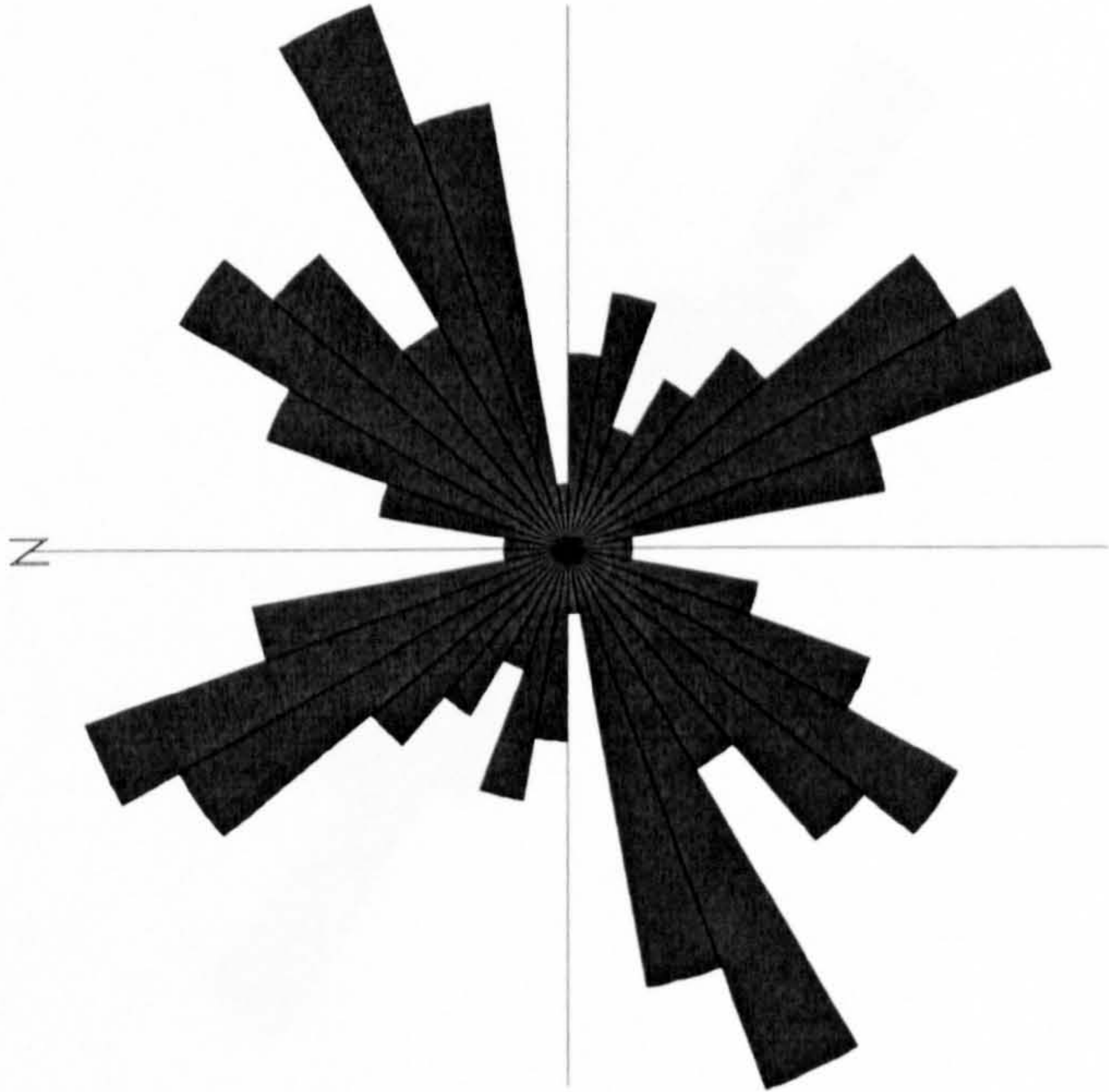
RCM 1 Flow Zone  
DEPTH RANGE FROM: 938.0 TO 957.0 METRES



Mean direction = 43.1    +-    22.9    Class 3  
NO OF DATA POINTS    7126



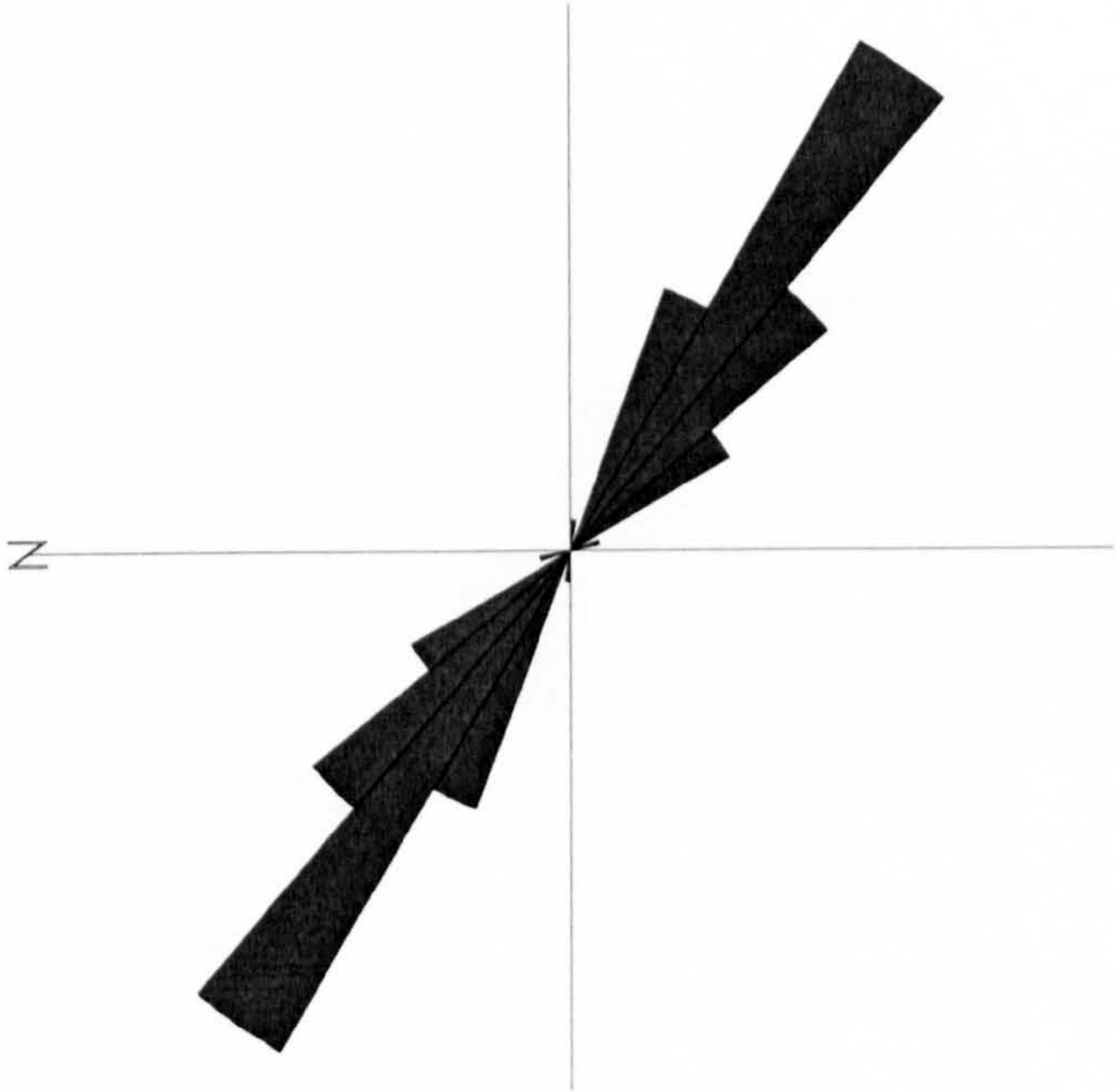
RCM 1 Flow Zone  
DEPTH RANGE FROM: 958.0 TO 968.0 METRES



Mean direction = 59.3    +-    24.2    Class 3  
NO OF DATA POINTS    7126

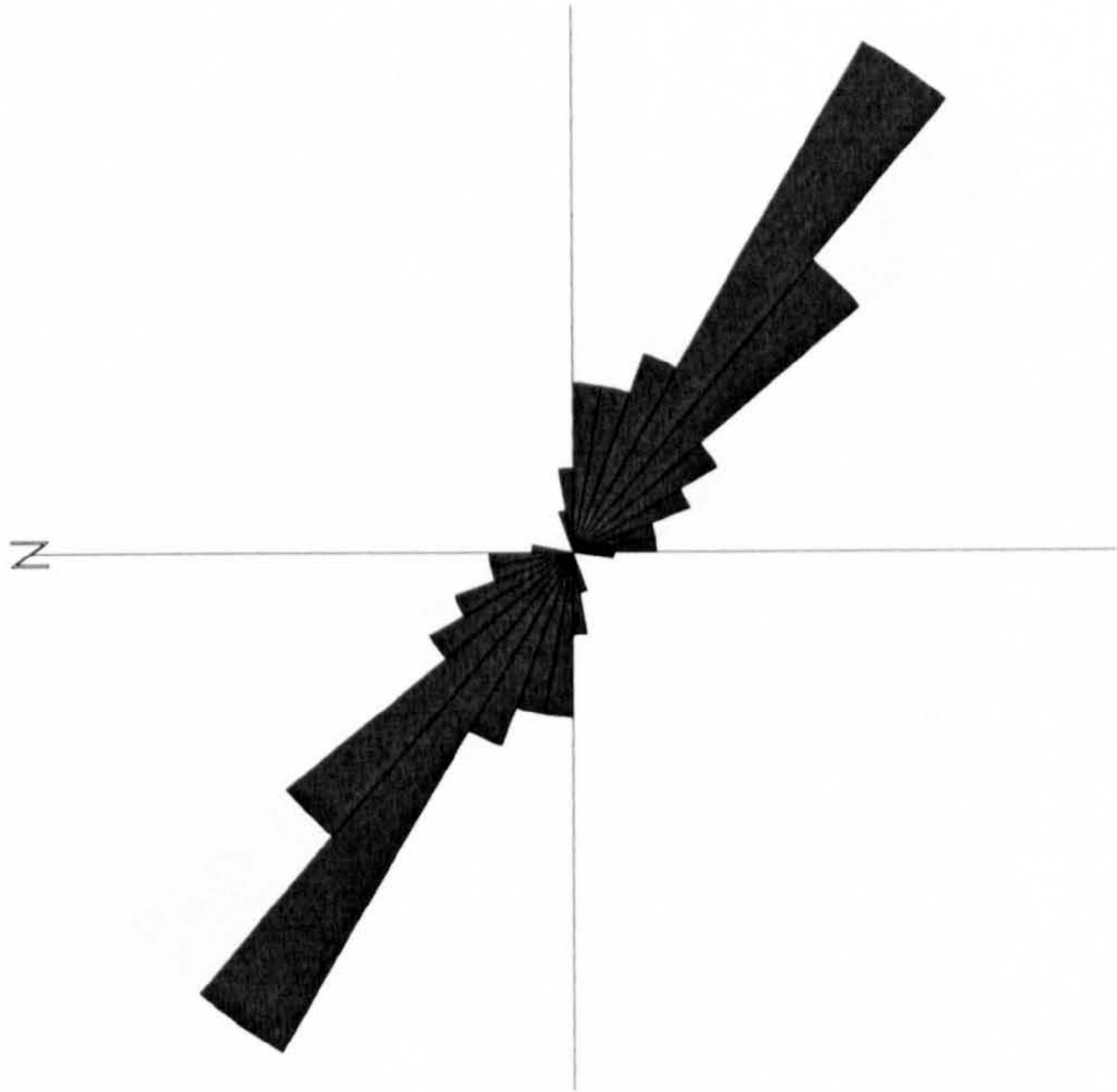


RCM 2 Flow Zone  
DEPTH RANGE FROM: 62.0 TO 72.0 METRES



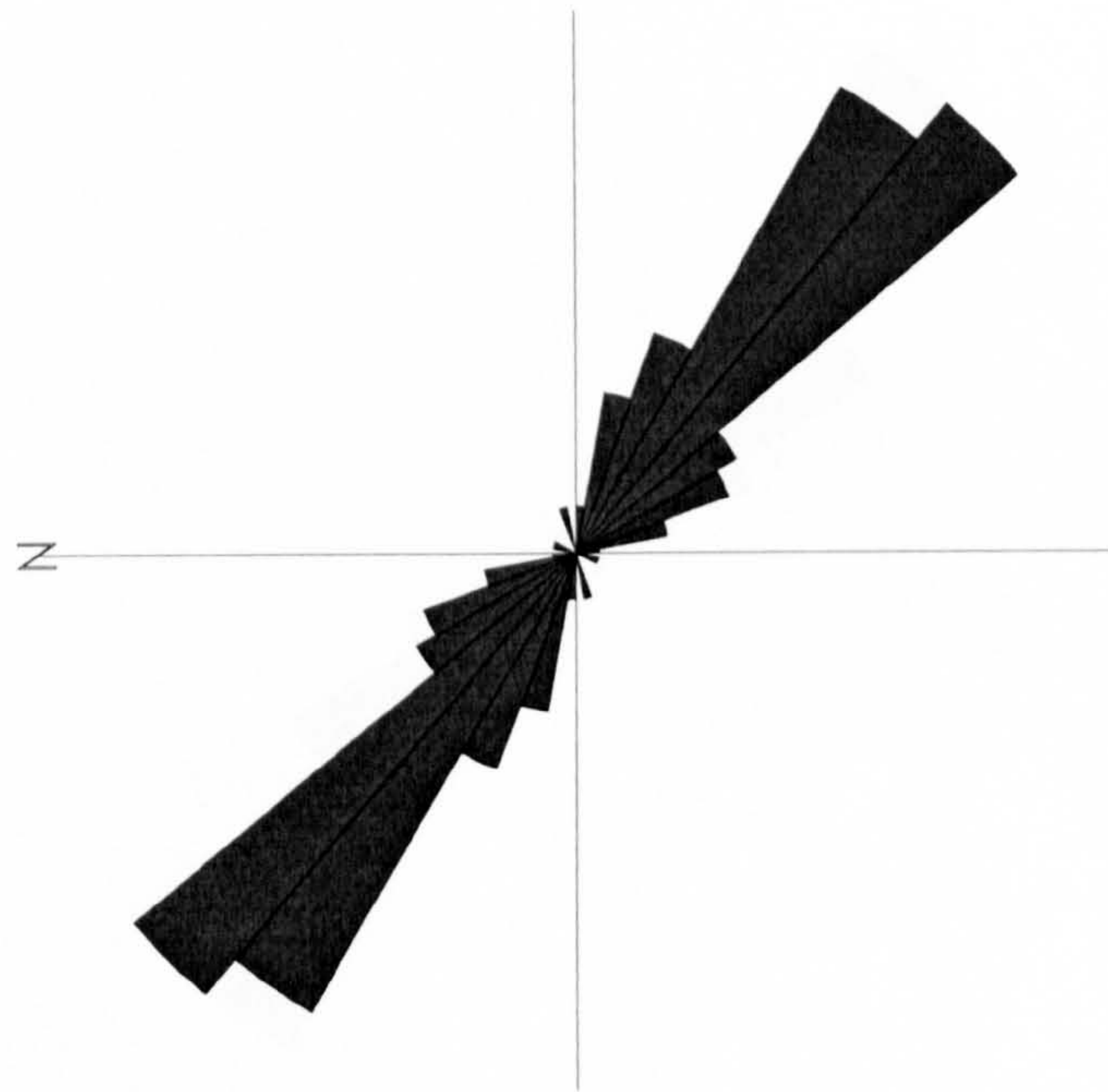
Mean direction = 127.5 +- 11.8  
NO OF DATA POINTS 4820 Class 1

RCM 2 Flow Zone  
DEPTH RANGE FROM: 70.5 TO 80.5 METRES



Mean direction = 124.7  
NO OF DATA POINTS 4820  
Class 1

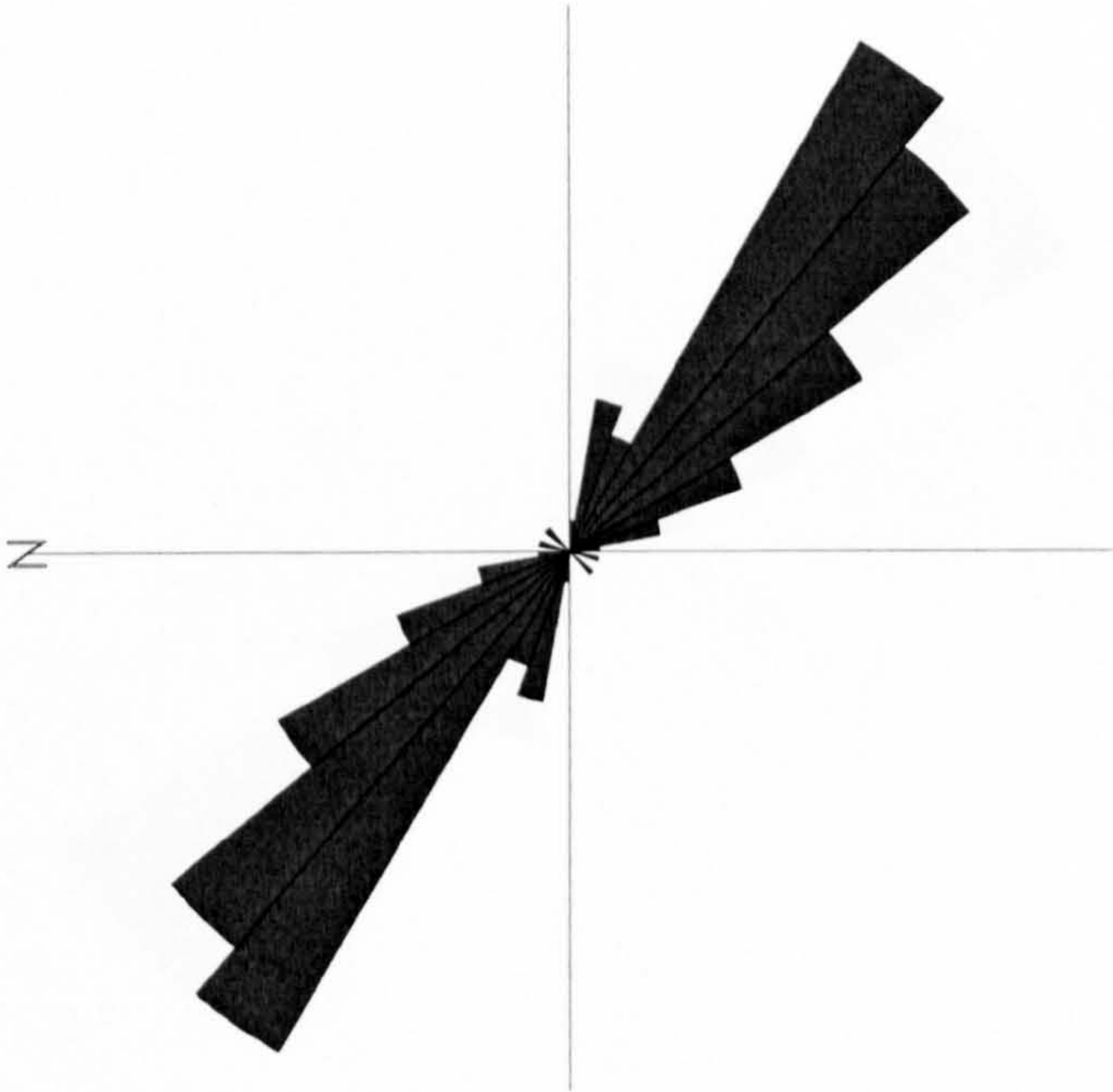
RCM 2 Flow Zone  
DEPTH RANGE FROM: 97.0 TO 117.0 METRES



Mean direction = 130.3    +-    15.9    Class 1  
NO OF DATA POINTS    4820

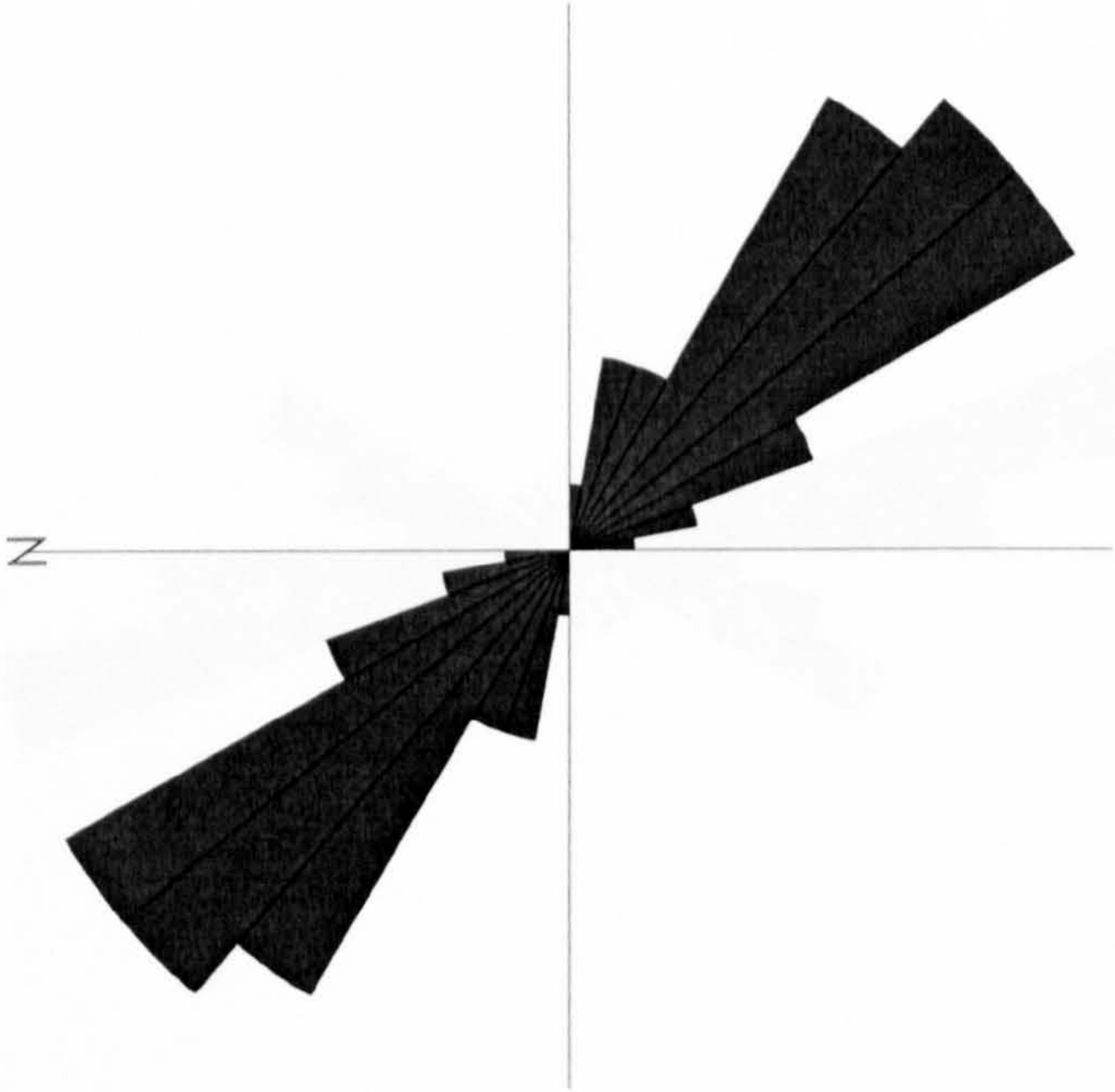


RCM 2 Flow Zone  
DEPTH RANGE FROM: 124.0 TO 138.5 METRES



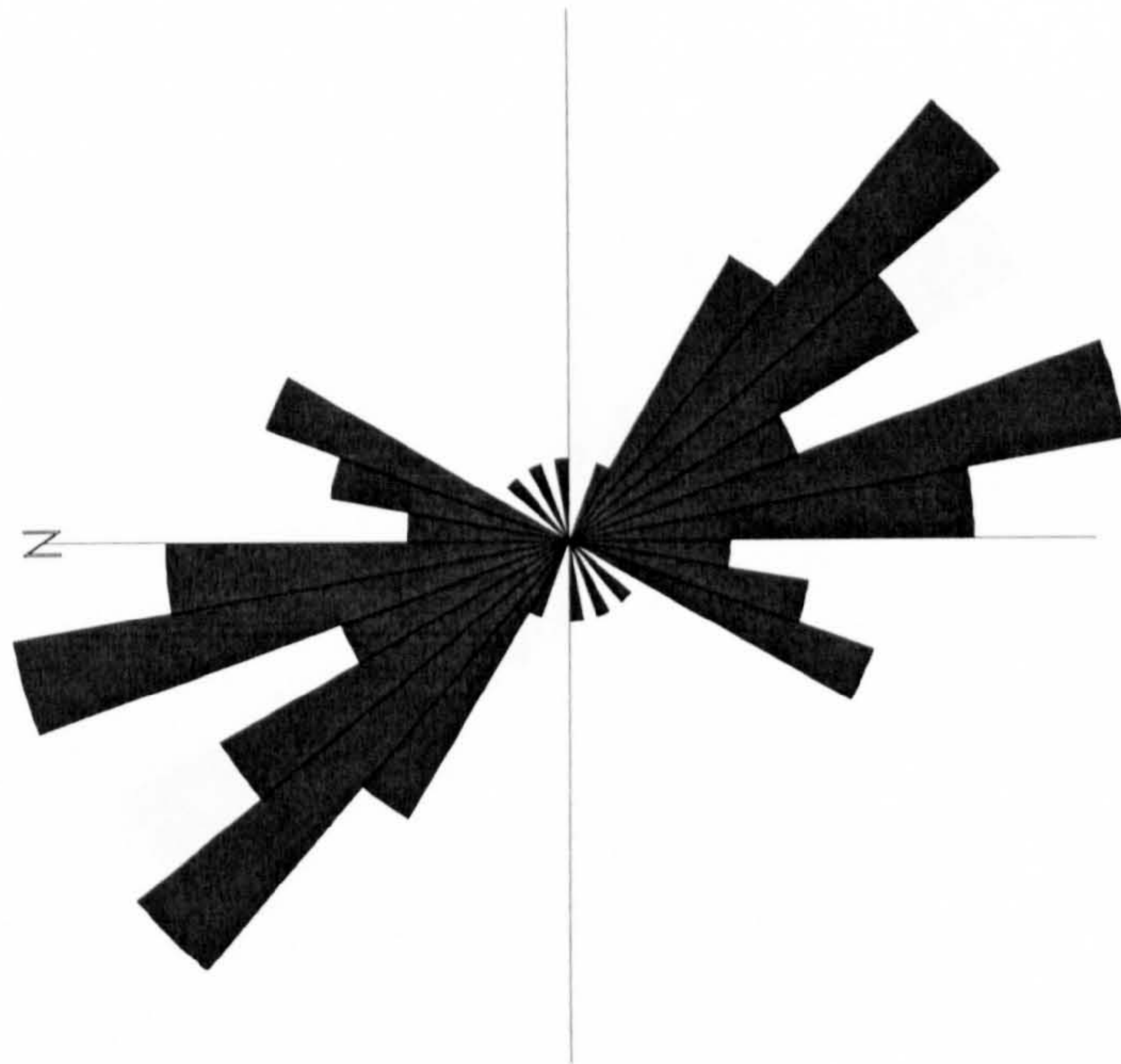
Mean direction = 133.2    +-    14.9    Class 1  
NO OF DATA POINTS    4820

RCM 2 Flow Zone  
DEPTH RANGE FROM: 130.0 TO 138.5 METRES



Mean direction =	135.2	+/-	17.0	Class 1
	NO OF DATA	POINTS	4820	

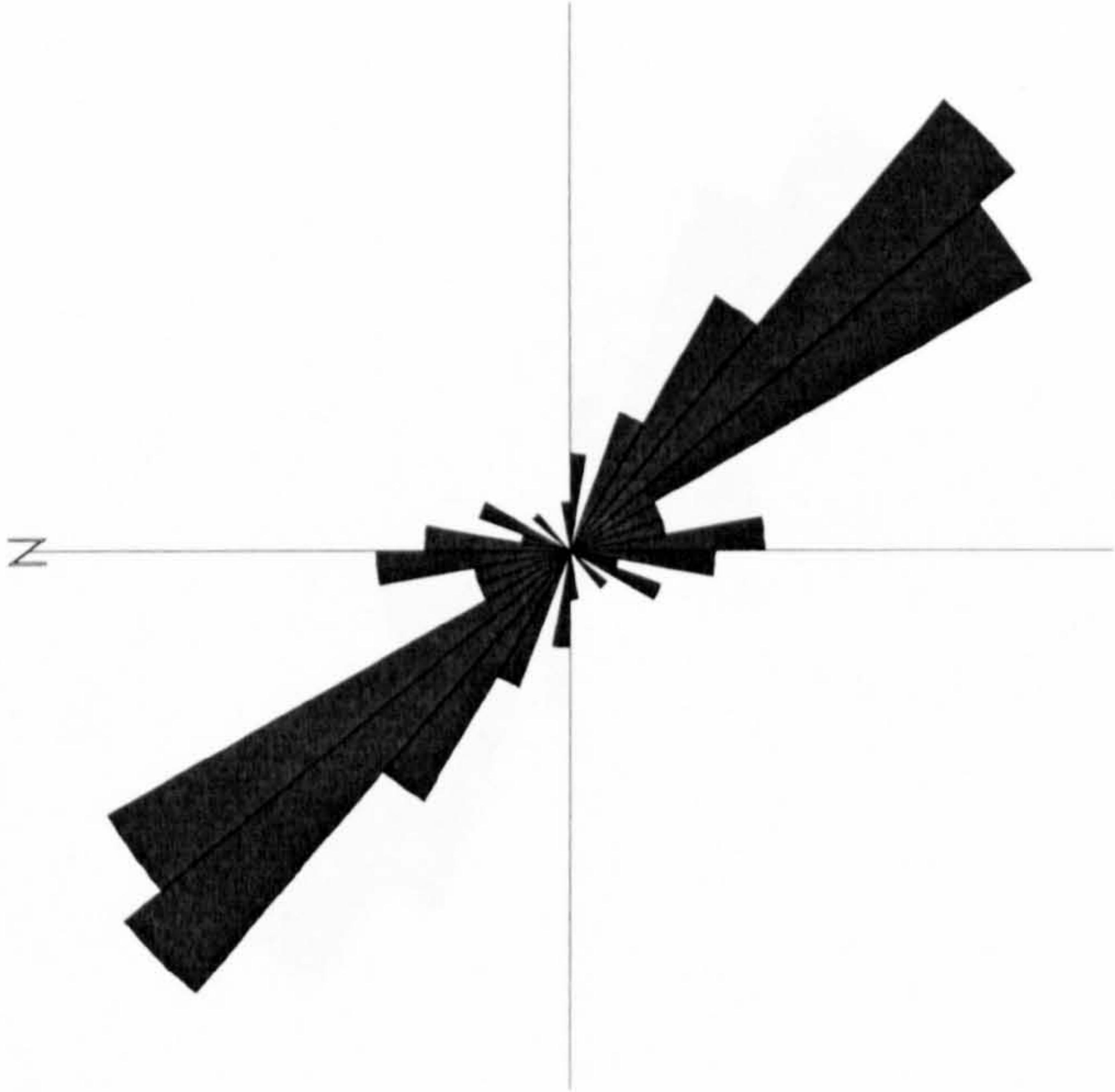
RCM 2 Flow Zone  
DEPTH RANGE FROM: 143.0 TO 153.0 METRES



Mean direction = 150.0 +- 17.9  
NO OF DATA POINTS 4820  
Class 1

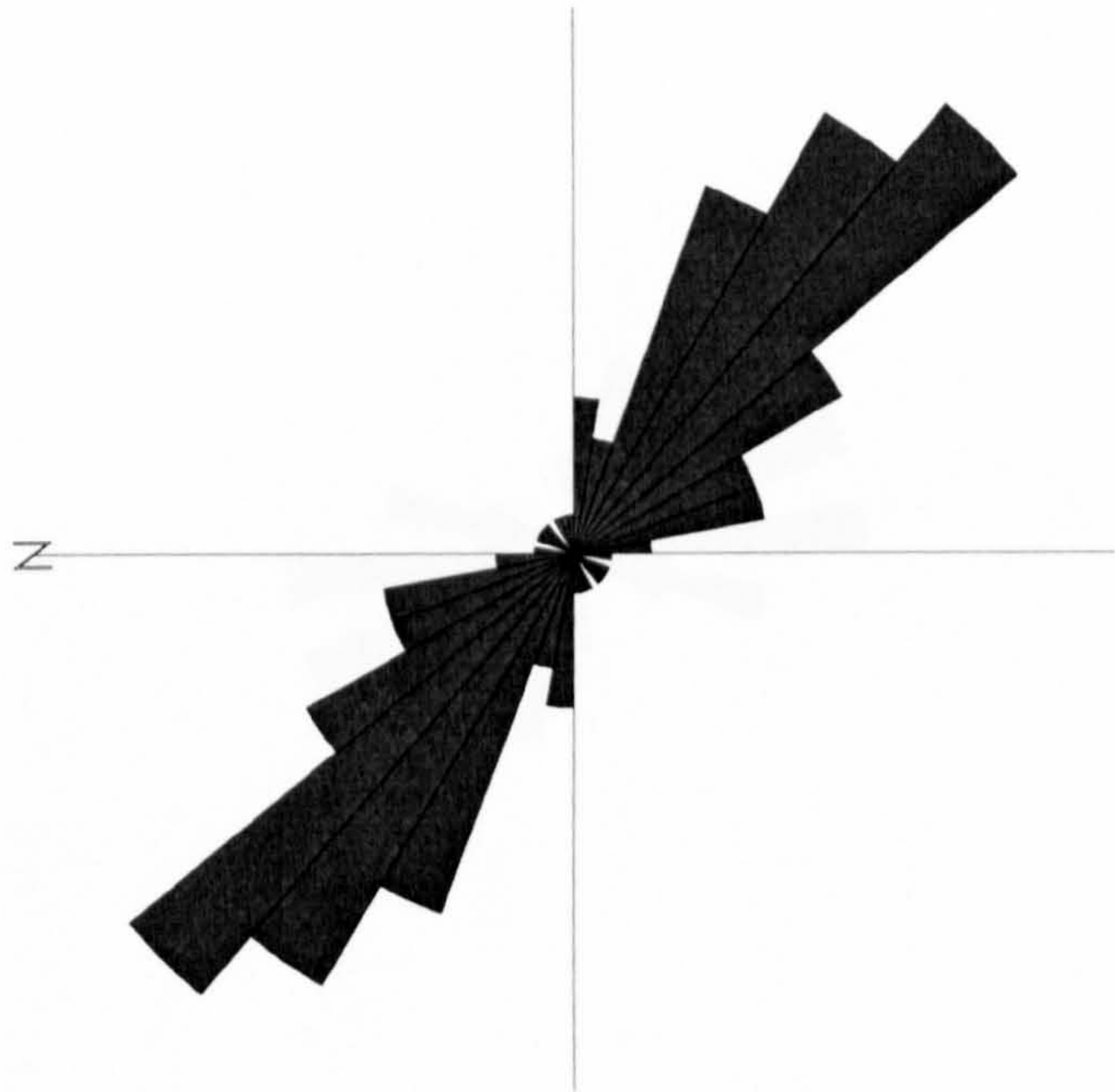


RCM 2 Flow Zone  
DEPTH RANGE FROM: 150.5 TO 160.5 METRES



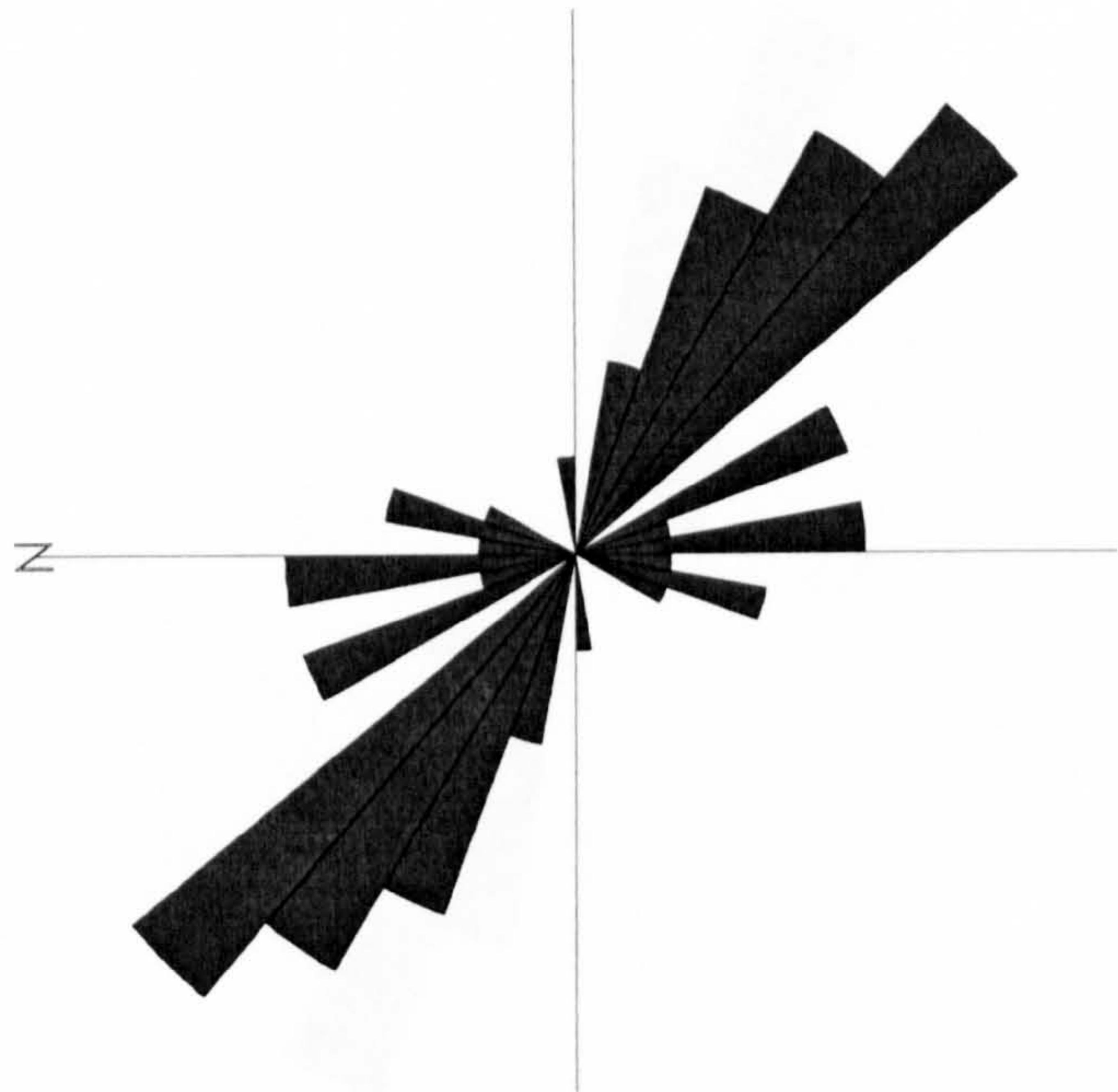
Mean direction = 138.5    +-    18.6    Class 1  
NO OF DATA POINTS    4820

RCM 2 Flow Zone  
DEPTH RANGE FROM: 218.5 TO 230.0 METRES



Mean direction = 132.4    +-    19.6    Class 1  
NO OF DATA POINTS    4820

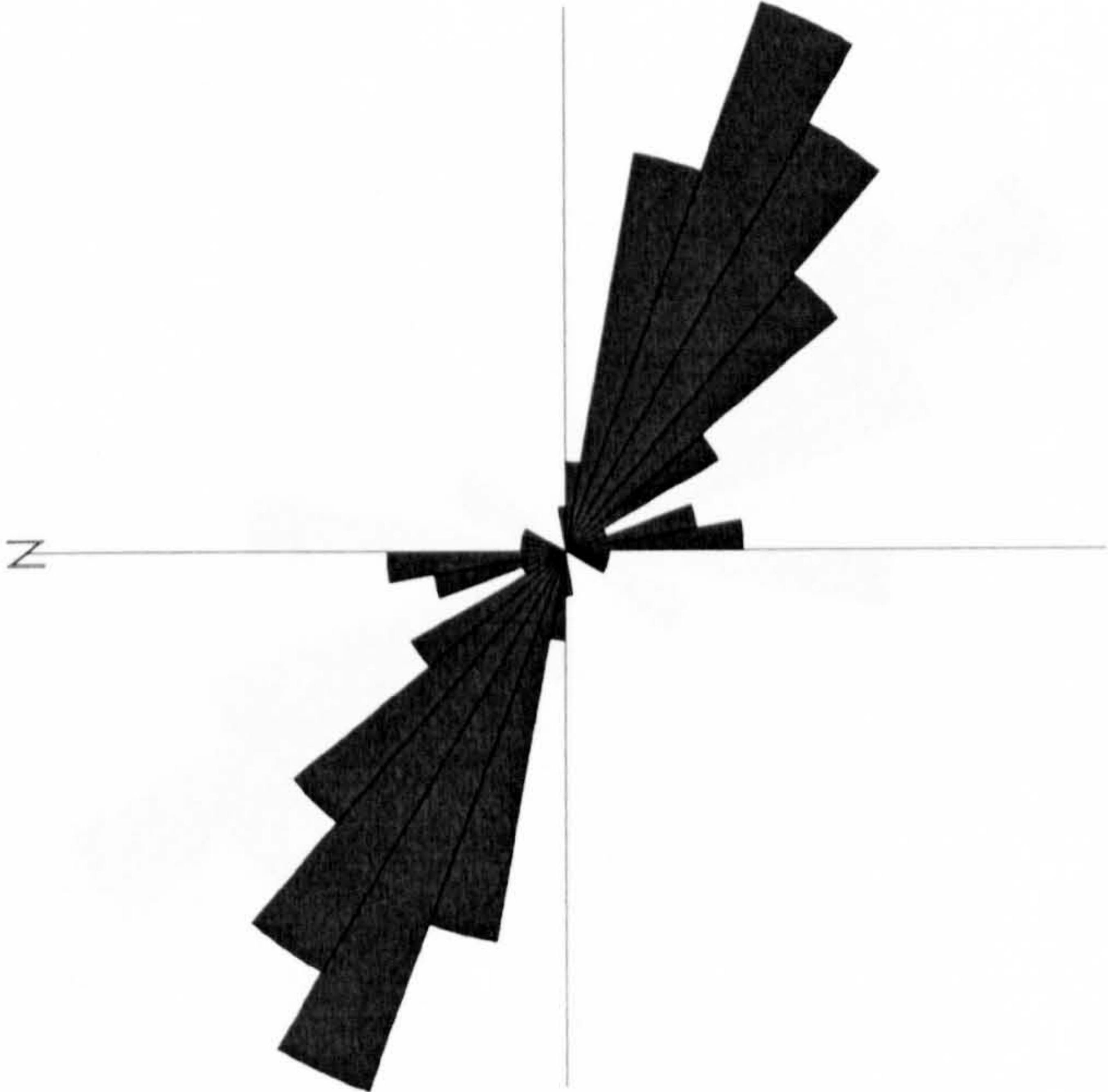
RCM 2 Flow Zone  
DEPTH RANGE FROM: 229.7 TO 236.0 METRES



Mean direction = 135.1  
NO OF DATA POINTS 4820  
Class 3

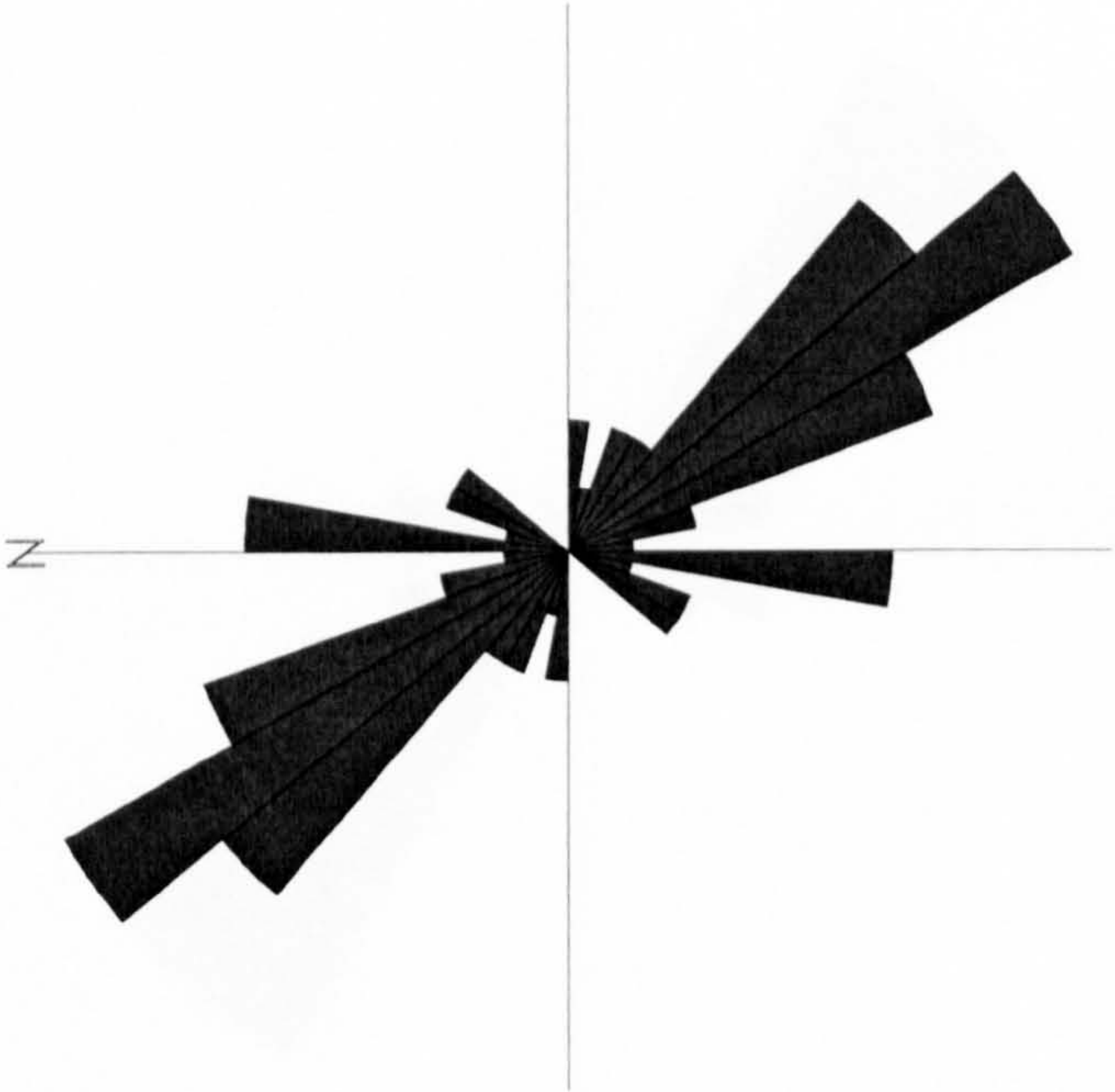


RCM 2 Flow Zone  
DEPTH RANGE FROM: 238.0 TO 248.0 METRES



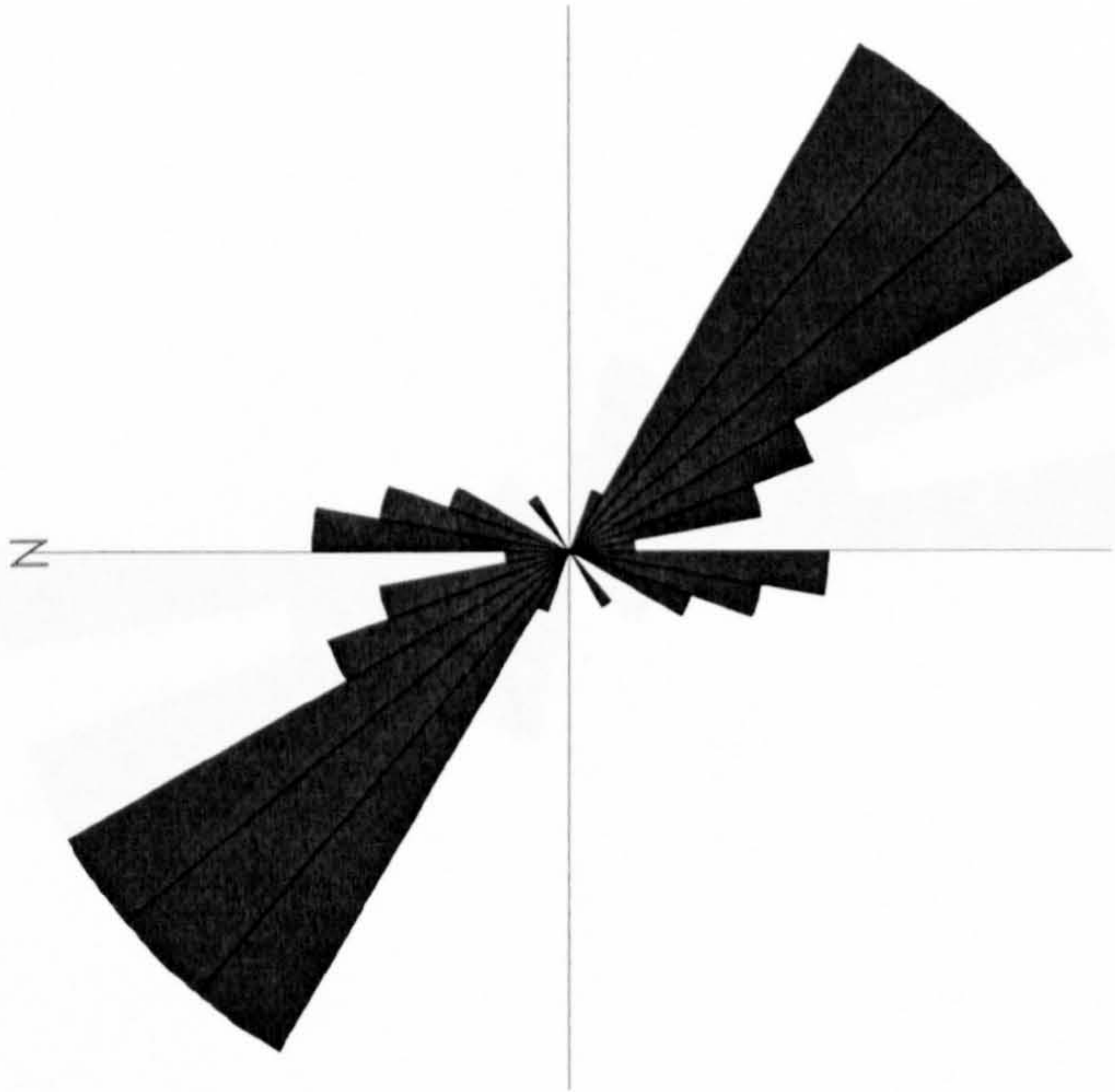
Mean direction = 121.1    +-    14.5    Class 1  
NO OF DATA POINTS    4820

RCM 2 Flow Zone  
DEPTH RANGE FROM: 261.0 TO 271.0 METRES



Mean direction = 142.7 +- 15.5 Class 1  
NO OF DATA POINTS 4820

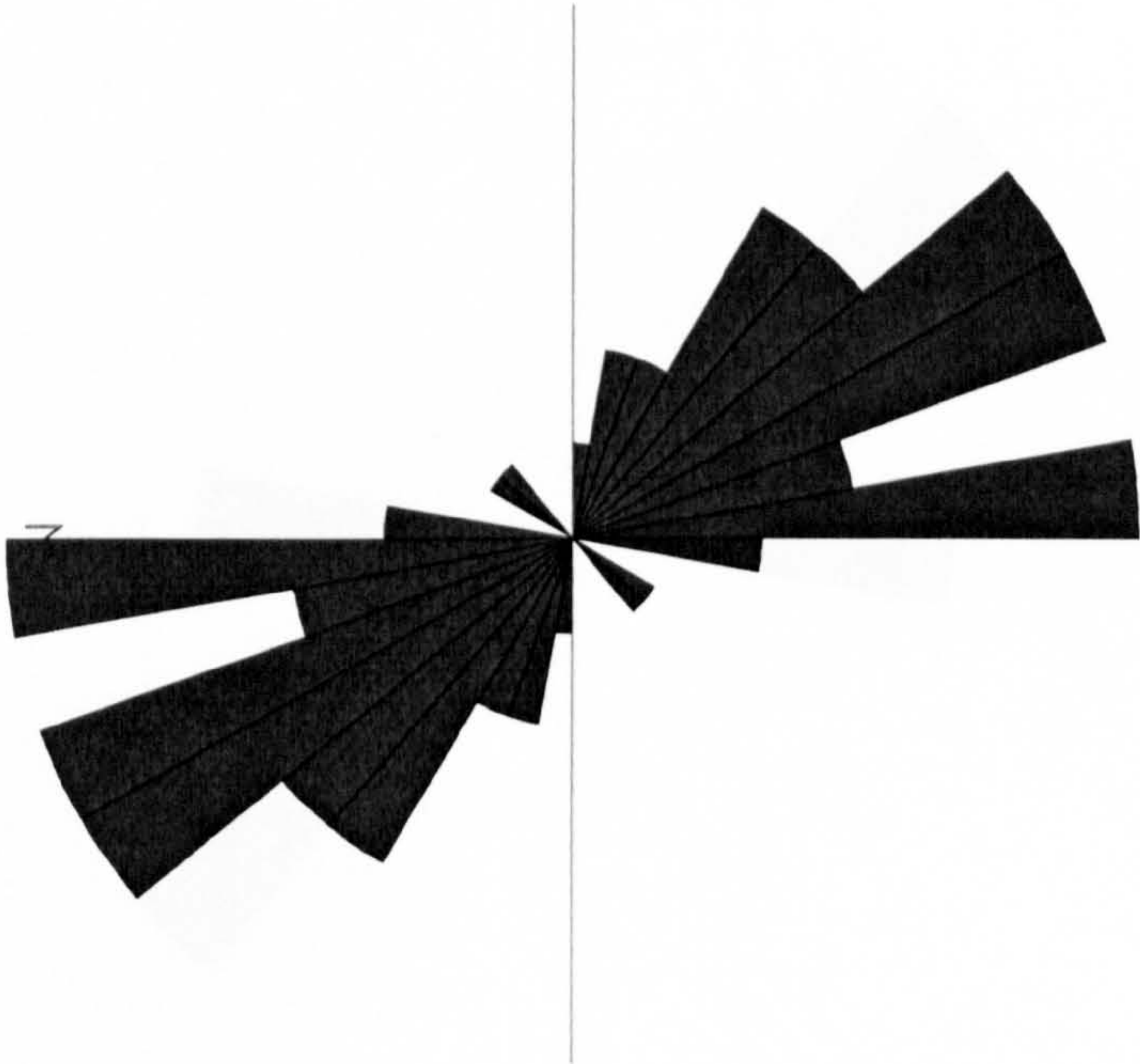
RCM 2 Flow Zone  
DEPTH RANGE FROM: 271.0 TO 281.0 METRES



Mean direction = 138.7    +-    11.8    Class 1  
NO OF DATA POINTS    4820

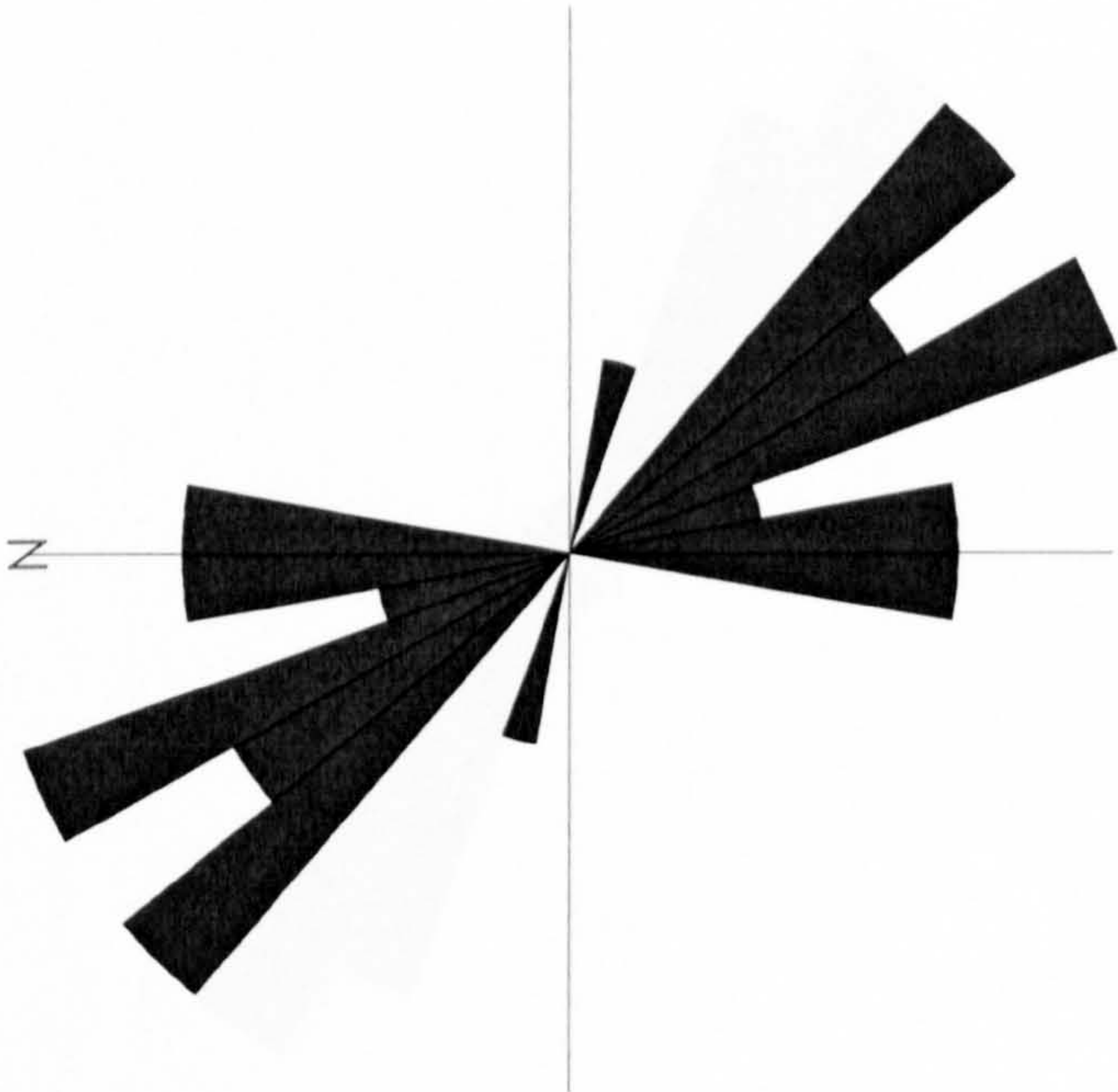


RCM 2 Flow Zone  
DEPTH RANGE FROM: 300.0 TO 308.5 METRES



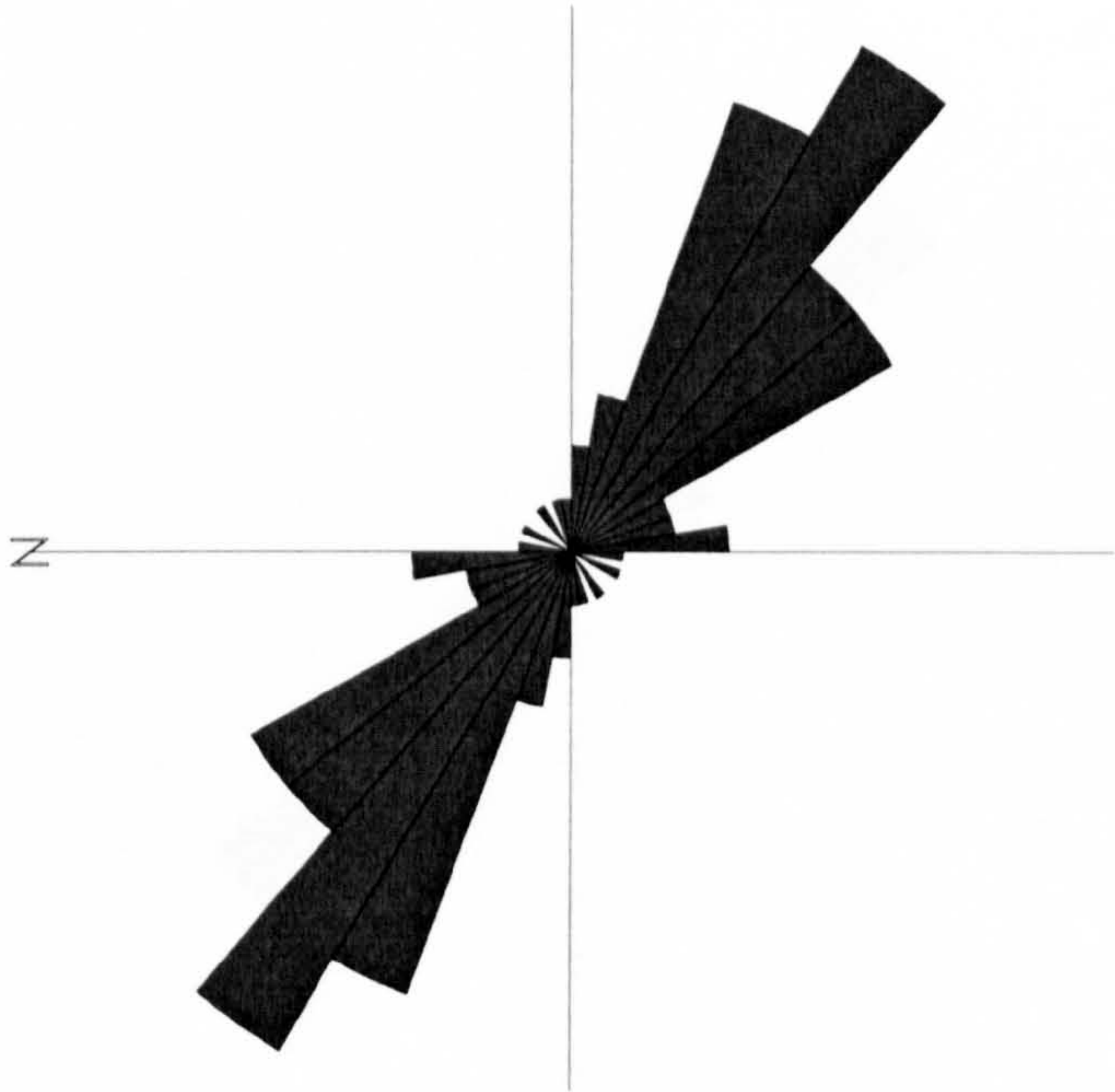
Mean direction = 146.2    +-    20.5    Class 3  
NO OF DATA POINTS    4820

RCM 2 Flow Zone  
DEPTH RANGE FROM: 301.0 TO 304.3 METRES



Mean direction = 147.8 +- 17.8  
NO OF DATA POINTS 4820  
Class 1

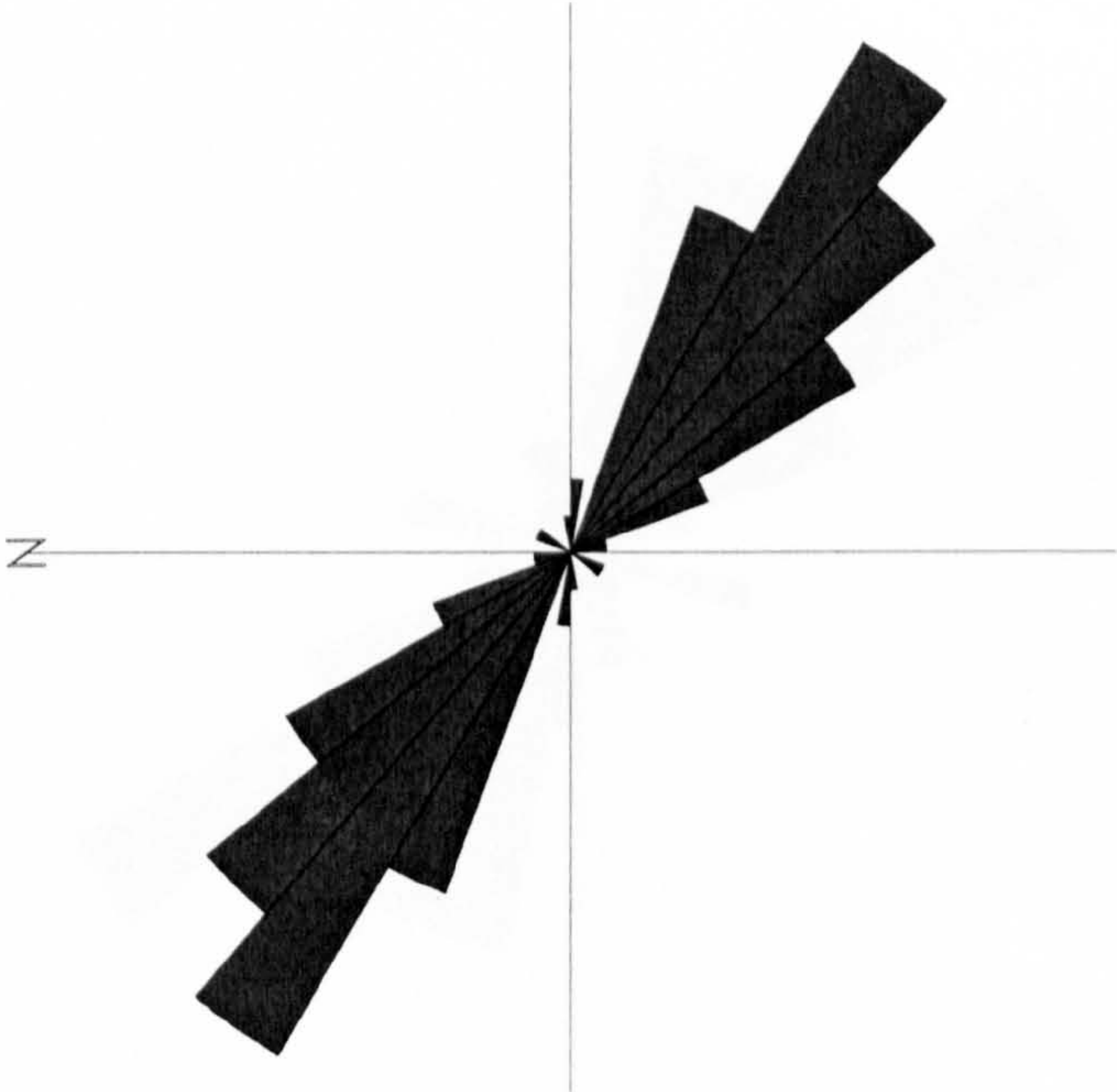
RCM 2 Flow Zone  
DEPTH RANGE FROM: 333.0 TO 343.0 METRES



Mean direction = 127.4    +-    17.9    Class 1  
NO OF DATA POINTS    4820

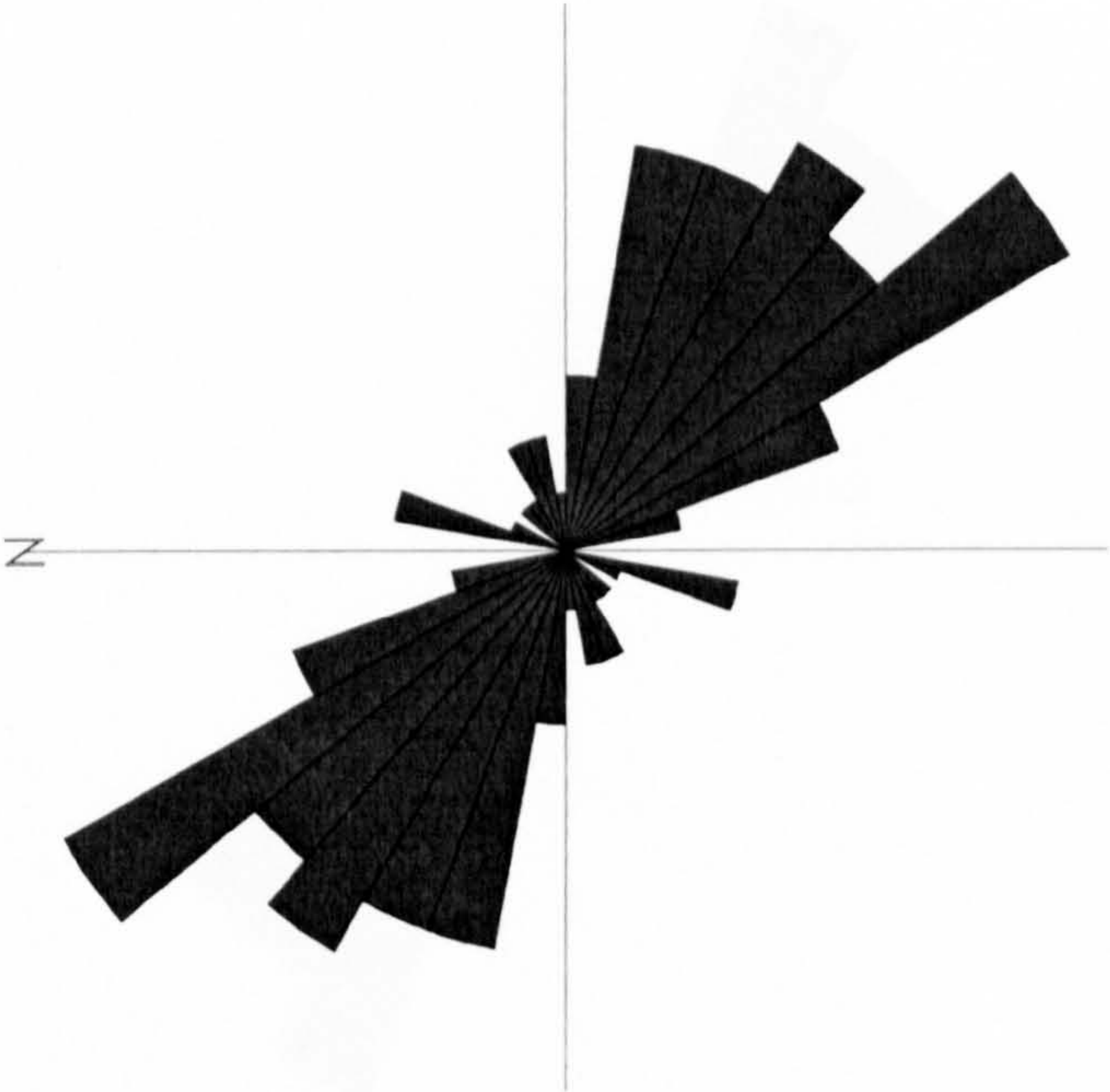


RCM 2 Flow Zone  
DEPTH RANGE FROM: 371.0 TO 381.0 METRES



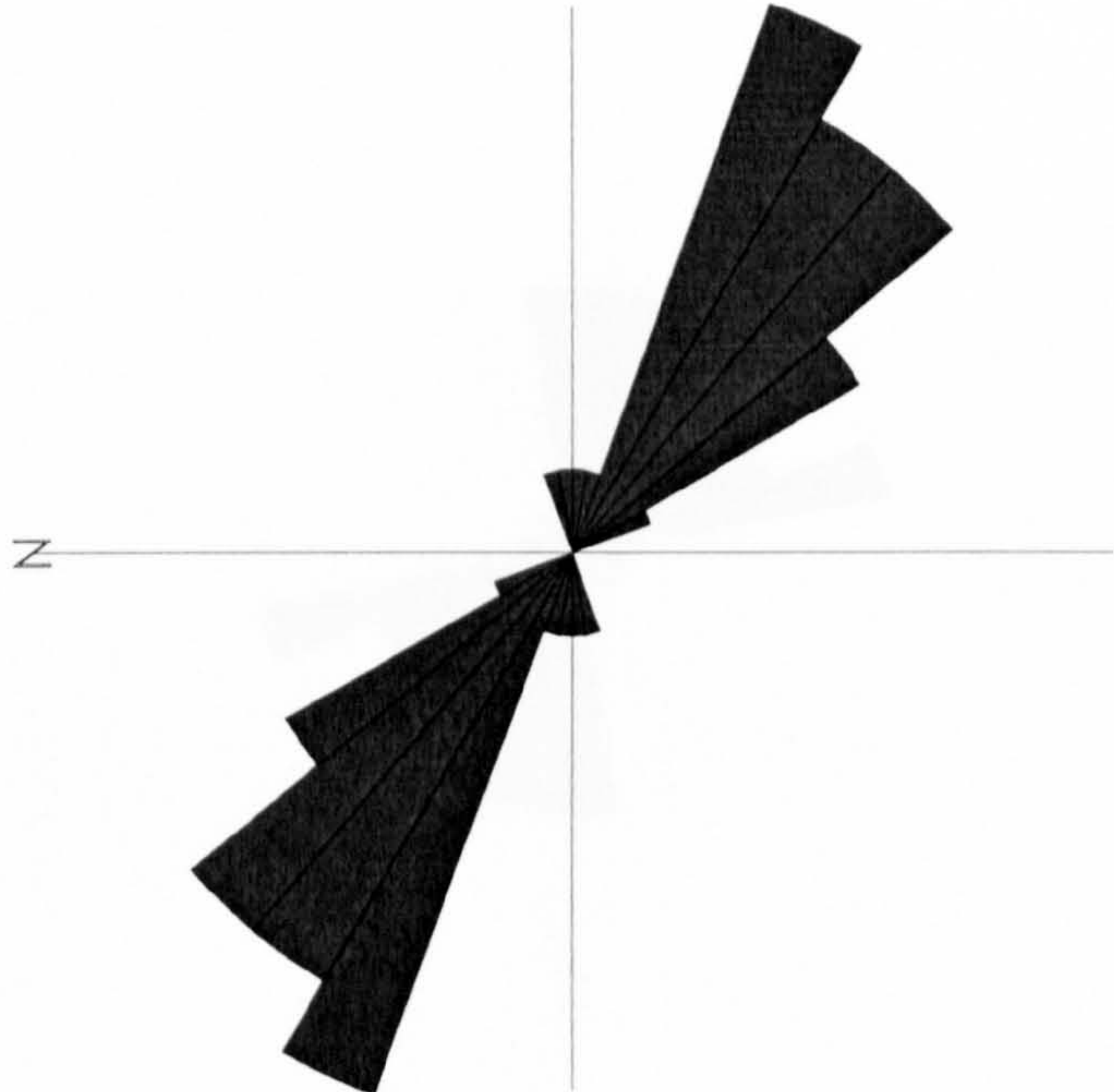
Mean direction = 130.1    +-    15.1    Class 1  
NO OF DATA POINTS    4820

RCM 2 Flow Zone  
DEPTH RANGE FROM: 404.5 TO 414.0 METRES



Mean direction = 131.0    +-    17.0    Class 1  
NO OF DATA POINTS    4820

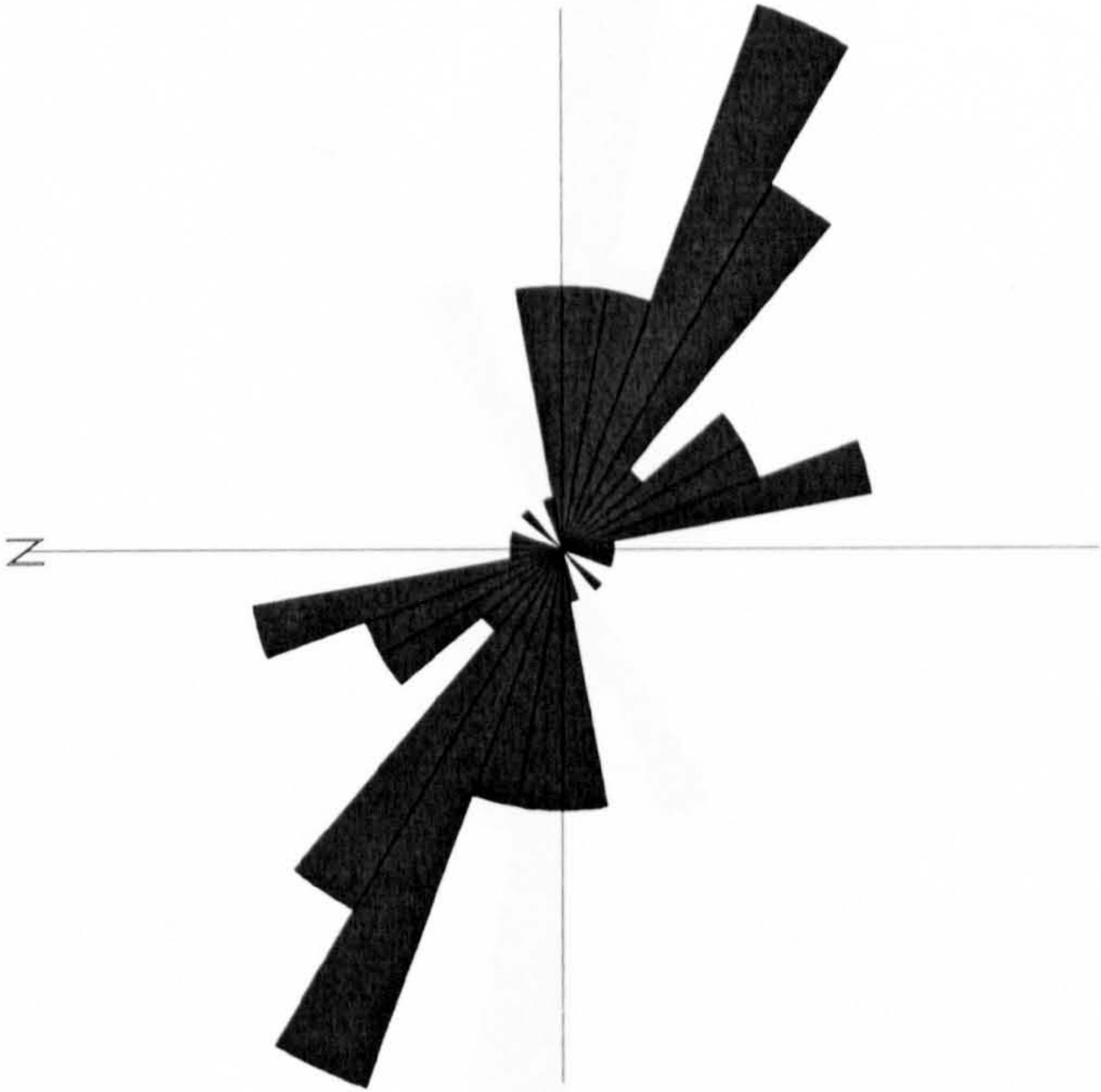
RCM 2 Flow Zone  
DEPTH RANGE FROM: 416.0 TO 422.0 METRES



Mean direction = 122.9    +-    18.3    Class 1  
NO OF DATA POINTS    4820

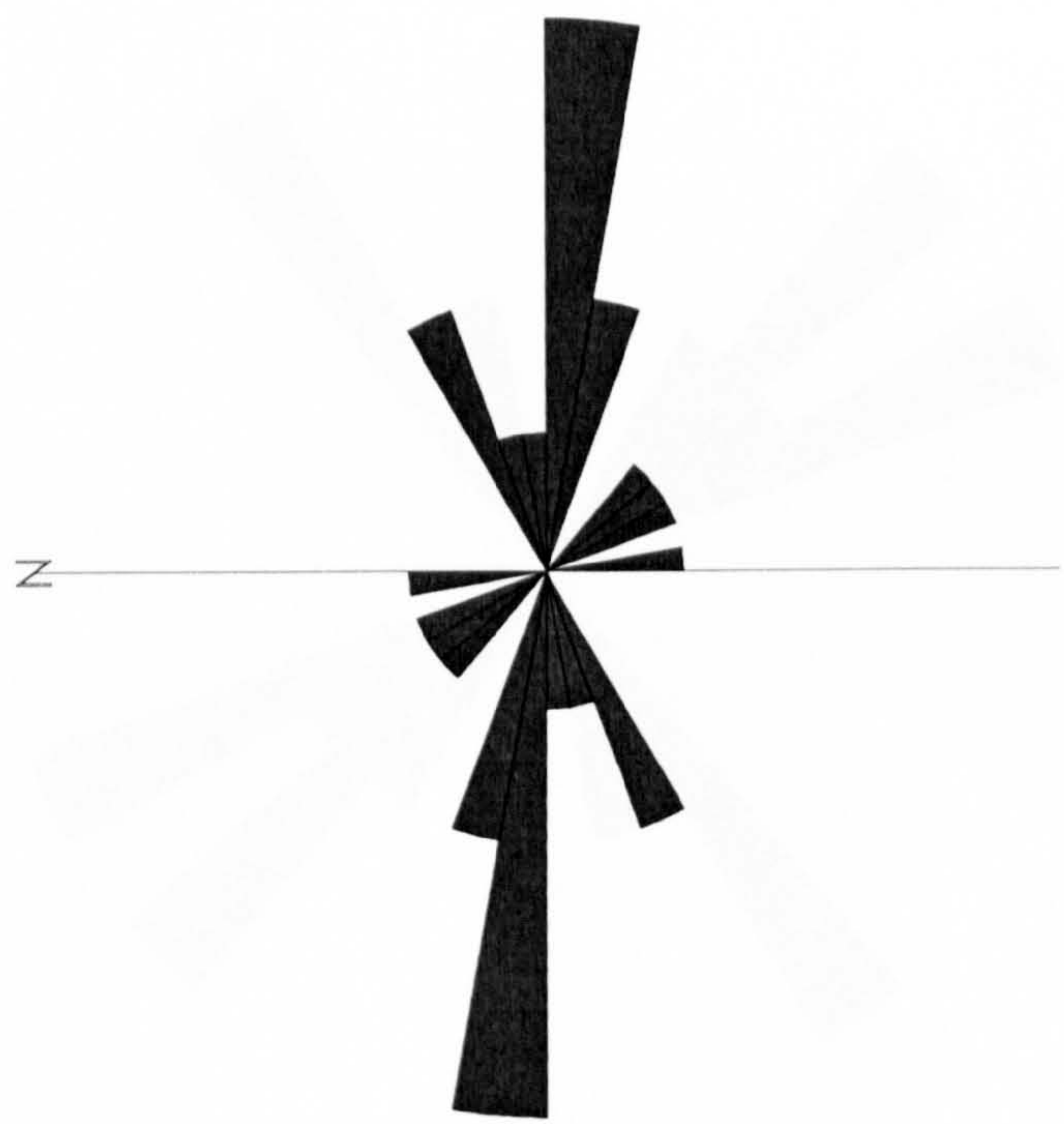


RCM 2 Flow Zone  
DEPTH RANGE FROM: 444.0 TO 455.0 METRES



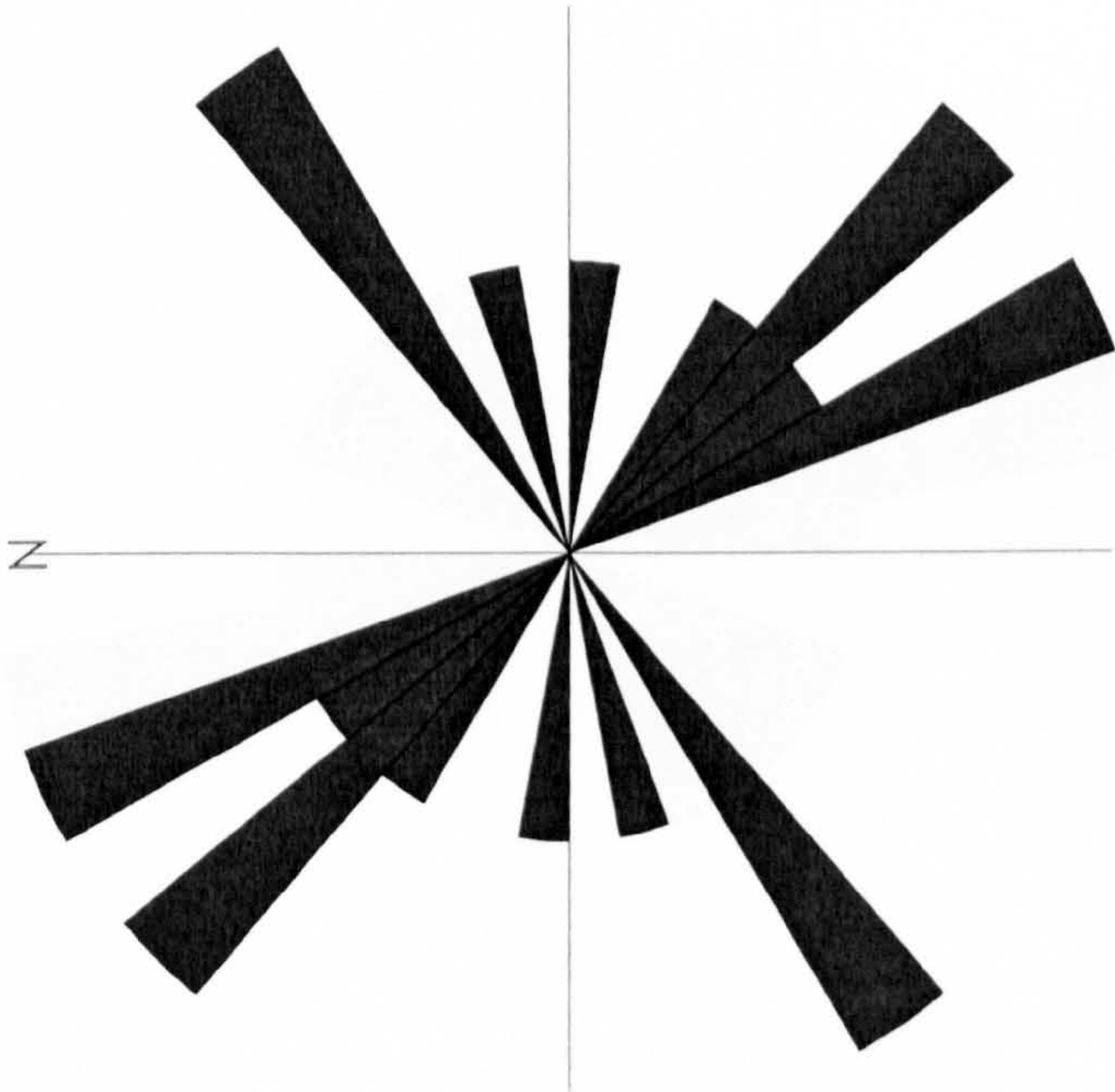
Mean direction = 116.3 +  
NO OF DATA POINTS 4820 Class 3

RCM 2 Flow Zone  
DEPTH RANGE FROM: 490.2 TO 498.0 METRES



Mean direction = 90.8 +- 19.2 Class 1  
NO OF DATA POINTS 4820

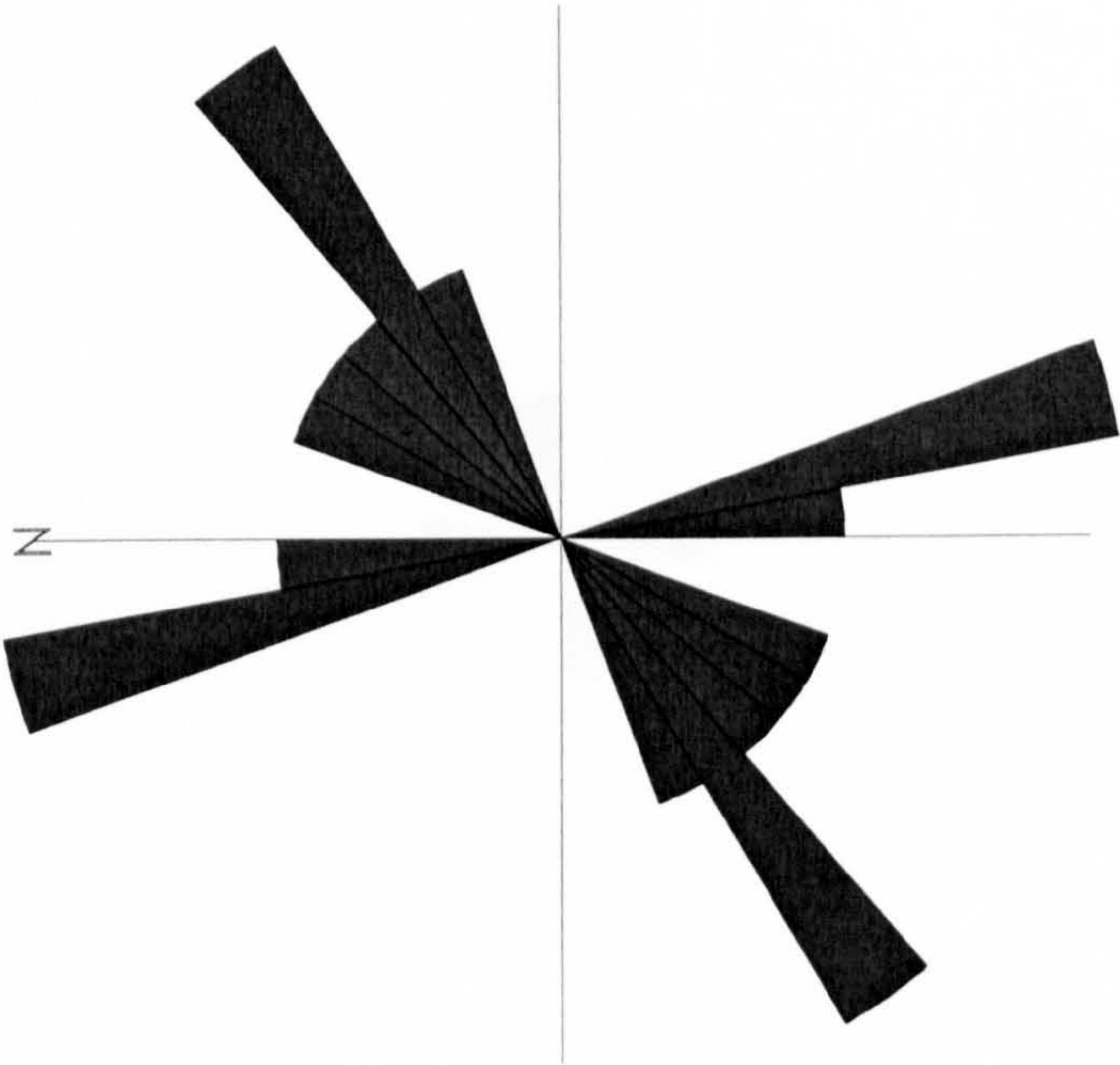
RCM 2 Flow Zone  
DEPTH RANGE FROM: 518.0 TO 523.5 METRES



Mean direction = 71.5 +- 16.0      Class 1  
NO OF DATA POINTS 4820

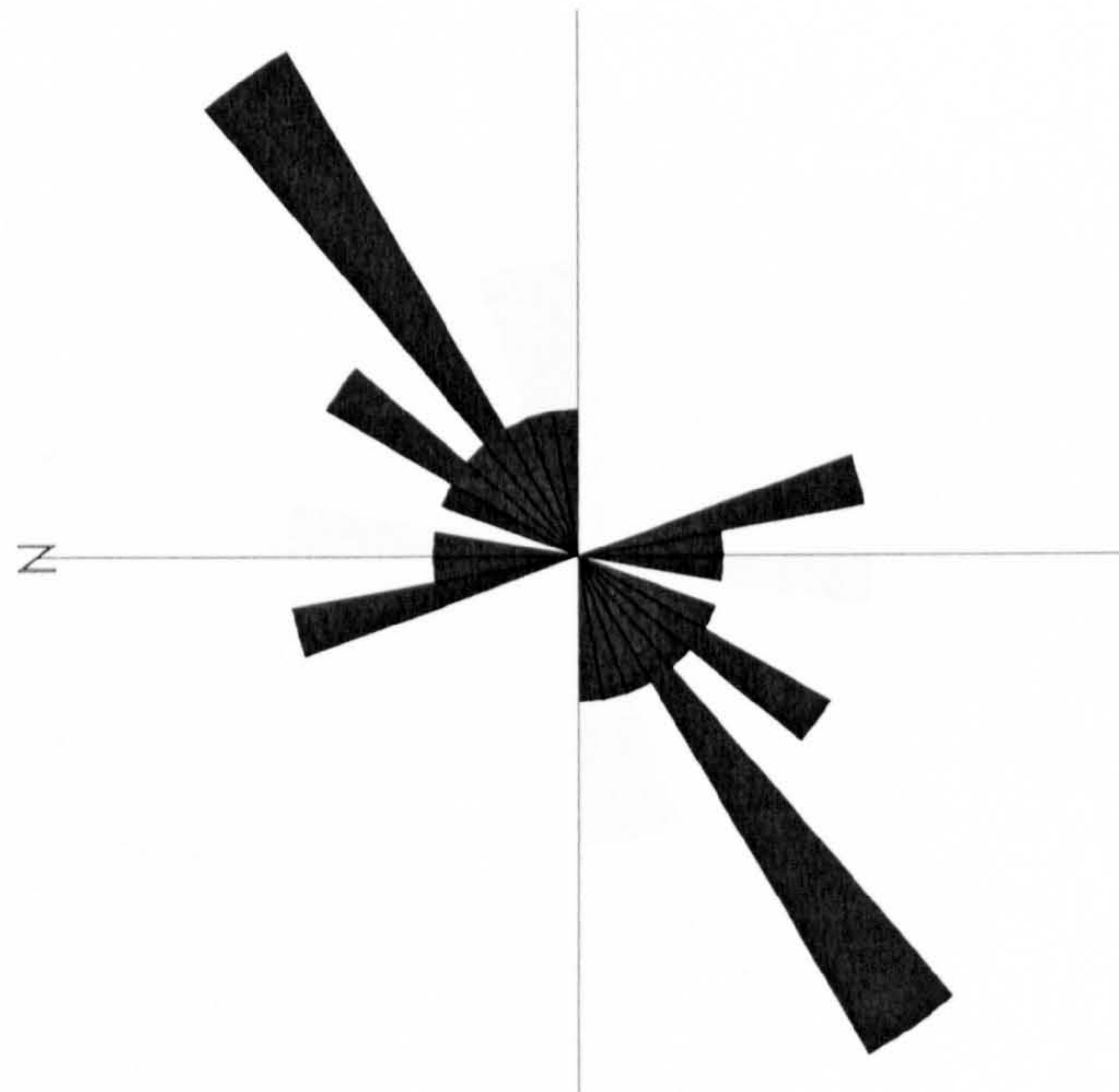


RCM 2 Flow Zone  
DEPTH RANGE FROM: 540.0 TO 542.0 METRES



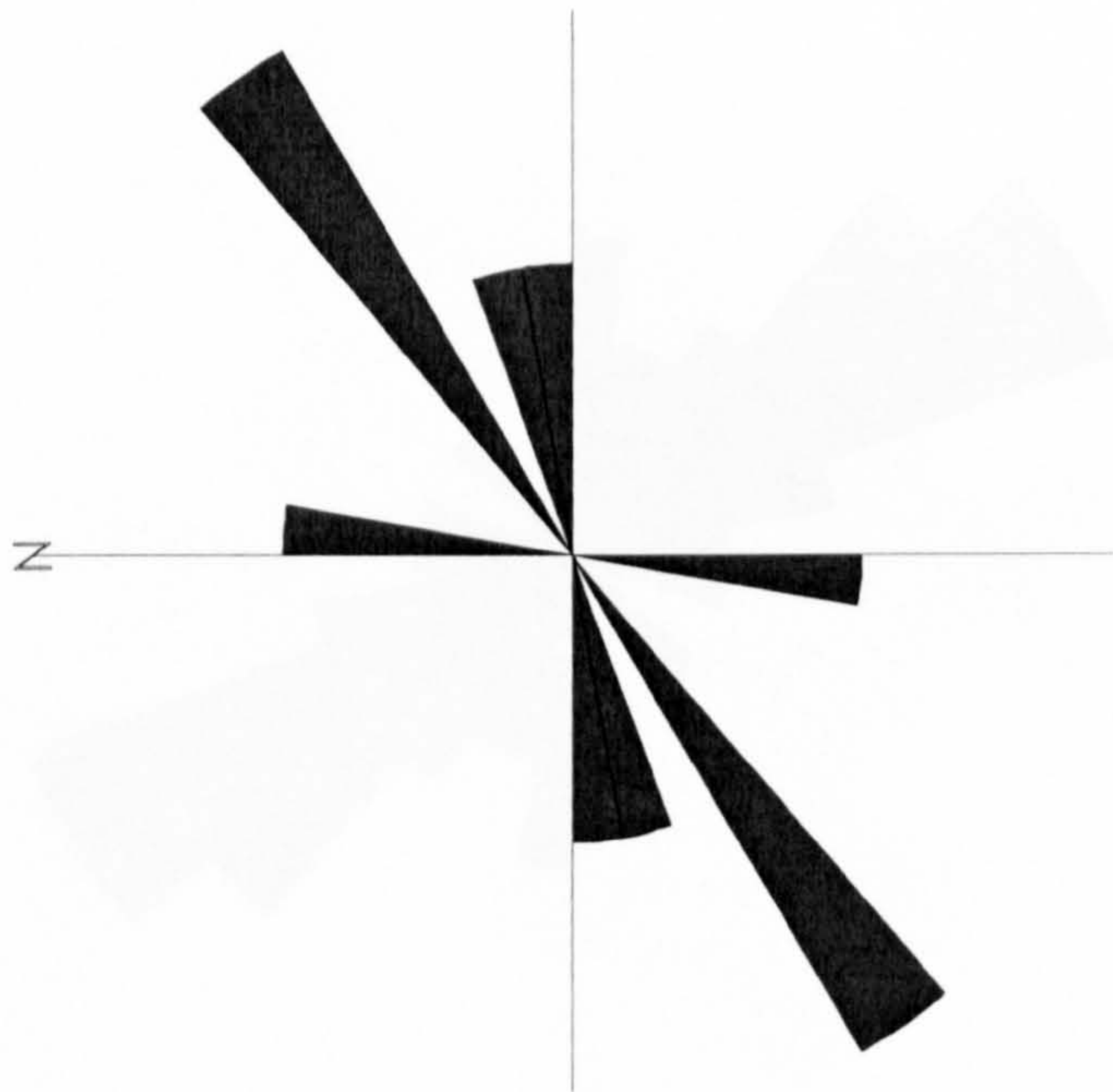
Mean direction = 45.8<sup>+-</sup>13.6  
NO OF DATA POINTS 4820  
Class 1

RCM 2 Flow Zone  
DEPTH RANGE FROM: 540.0 TO 545.0 METRES



Mean direction = 52.6<sup>+/-</sup> 18.3      Class 1  
NO OF DATA POINTS 4820

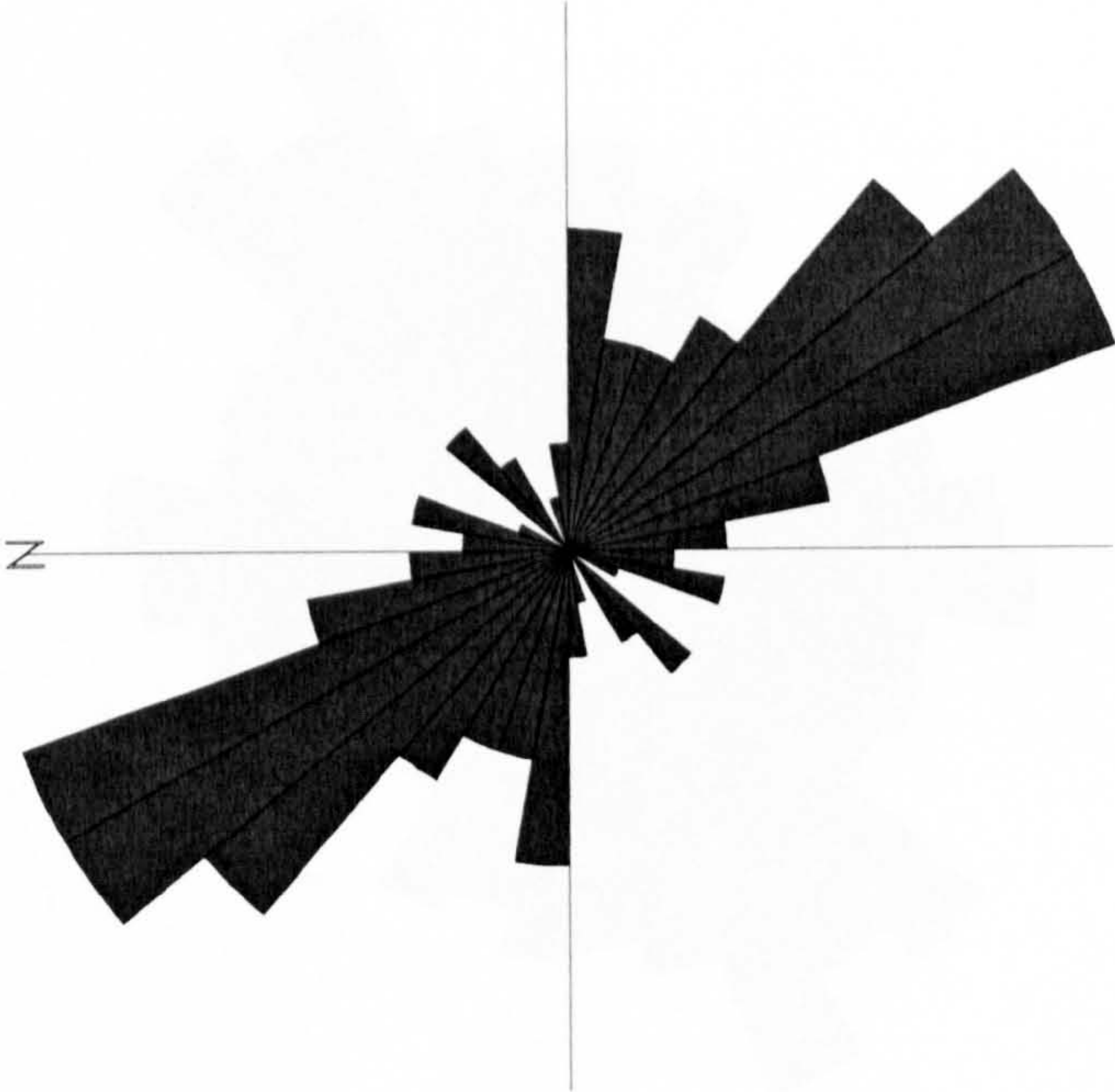
RCM 2 Flow Zone  
DEPTH RANGE FROM: 543.2 TO 545.0 METRES



Mean direction = 67.8    +-    16.0    Class 1  
NO OF DATA POINTS    4820

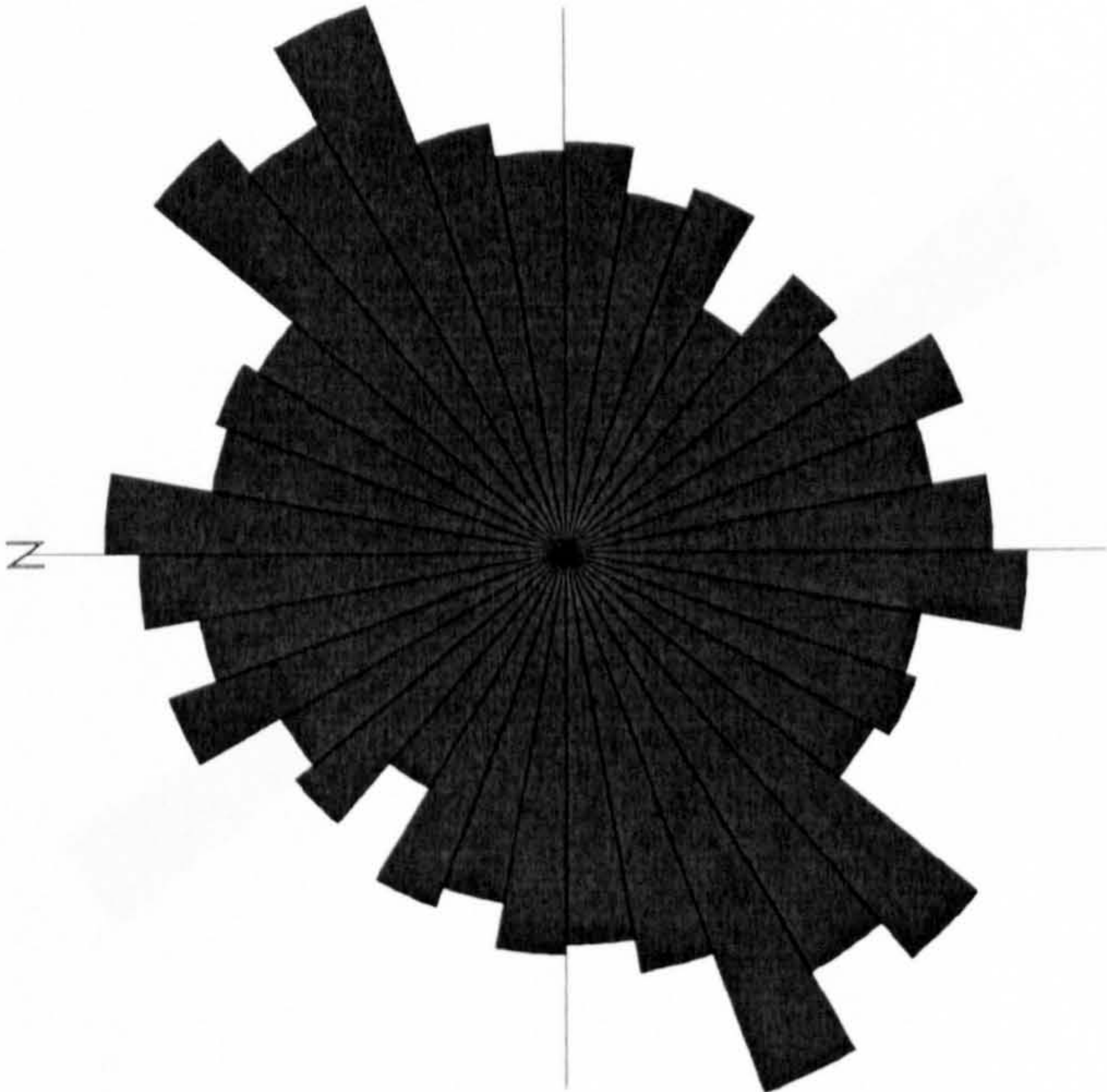


RCM 2 Flow Zone  
DEPTH RANGE FROM: 693.0 TO 703.0 METRES



Mean direction = 141.9 +- 18.7  
NO OF DATA POINTS 4820 Class 1

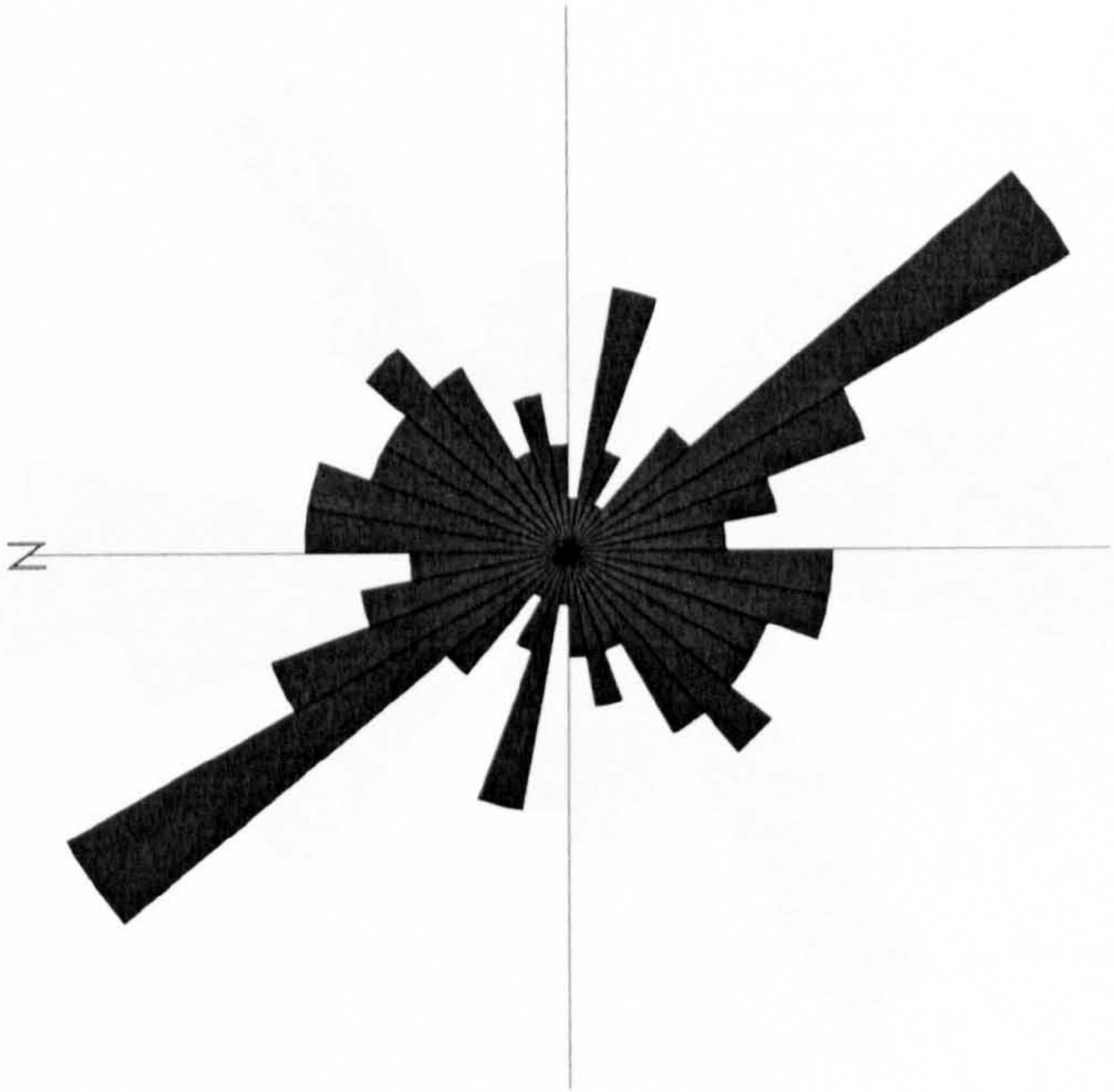
RCM 2 Flow Zone  
DEPTH RANGE FROM: 697.5 TO 7000.0 METRES



Mean direction = 64.4    +-    24.4    Class 3  
NO OF DATA POINTS    4820



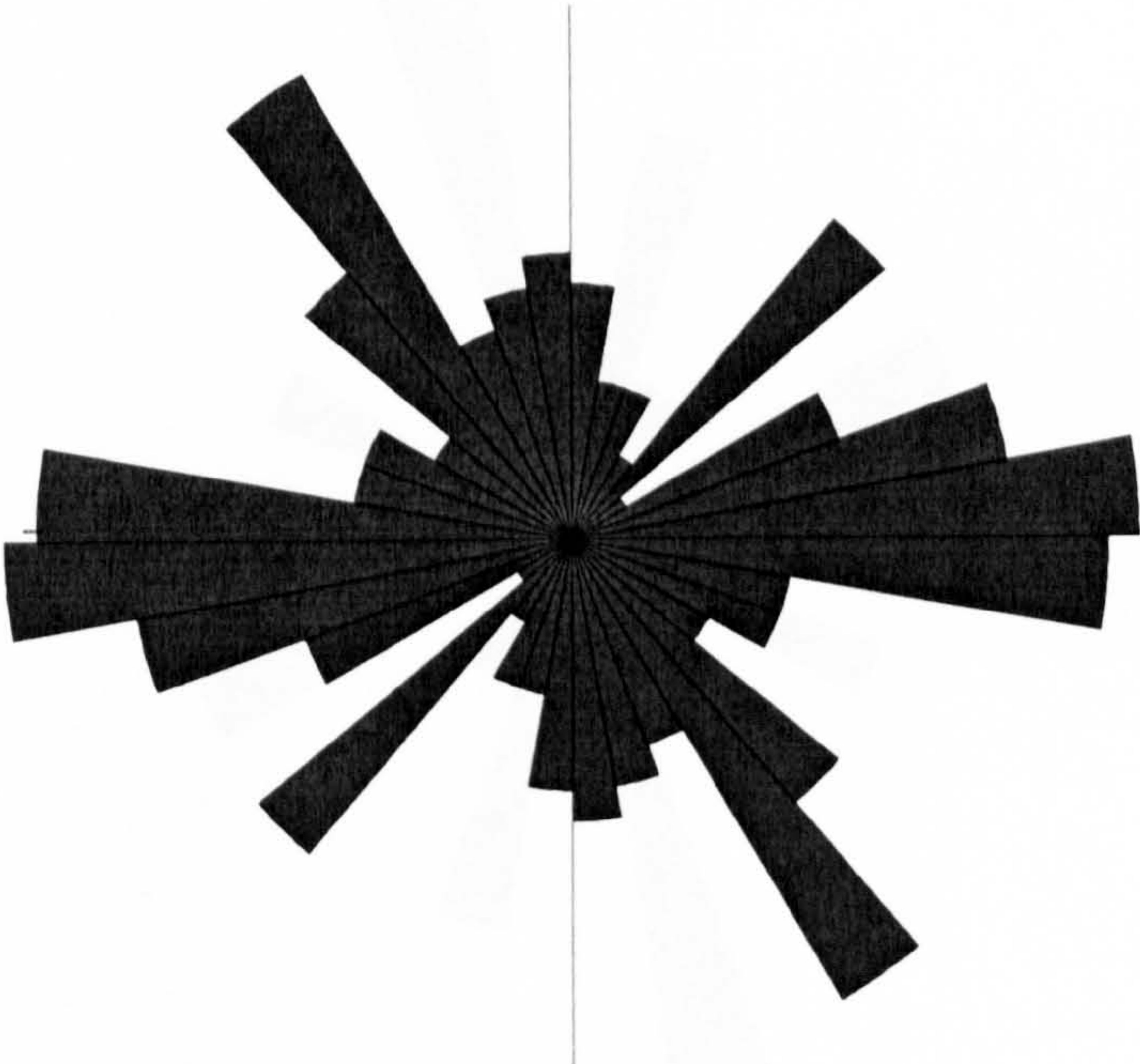
RCM 2 Flow Zone  
DEPTH RANGE FROM: 713.0 TO 724.0 METRES



Mean direction = 142.9 +- 21.1 Class 3  
NO OF DATA POINTS 4820

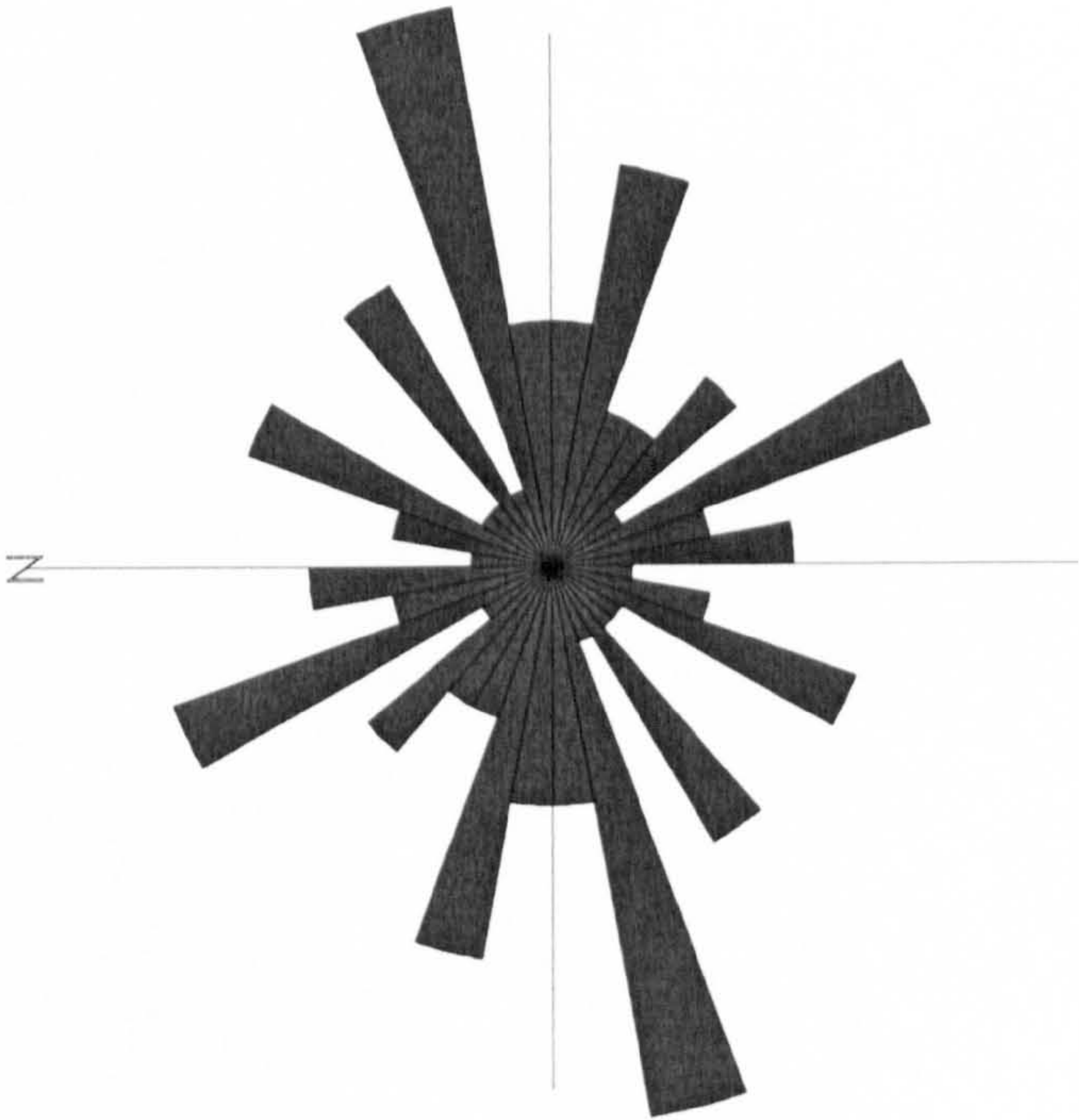


RCM 2 Flow Zone  
DEPTH RANGE FROM: 884.0 TO 904.0 METRES



Mean direction = 159.3    +-    14.7    Class 1  
NO OF DATA POINTS    4820

RCM 2 Flow Zone  
DEPTH RANGE FROM: 919.0 TO 929.0 METRES

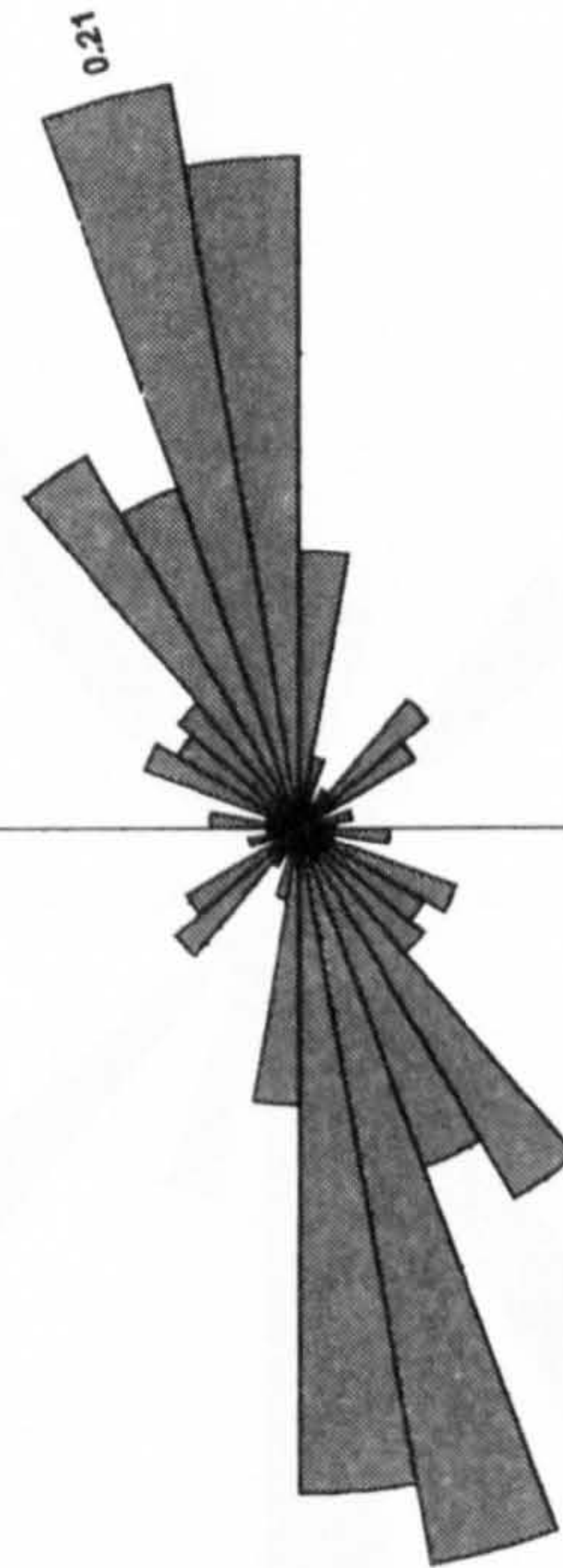
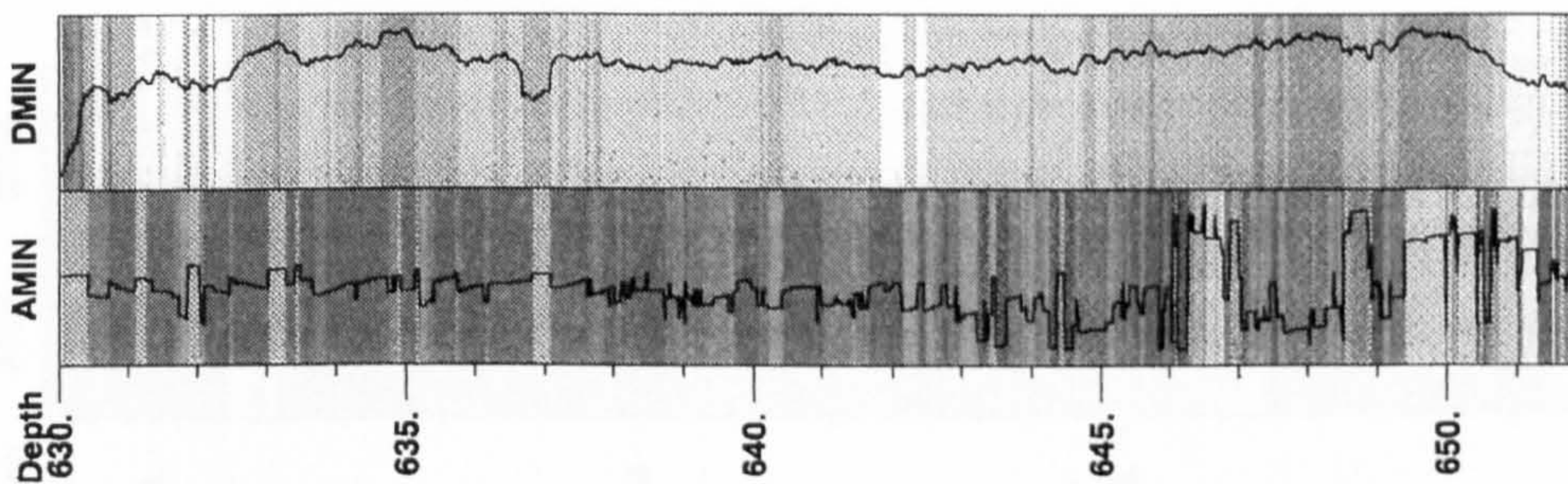


Mean direction = 81.5    +-    21.1    Class 3  
NO OF DATA POINTS    4820



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 630.0 TO 651.9 METRES



DMIN (DMIN)

Class 1

Min stress = 72.3 +- 16.9

LINEAR WEIGHTED STATISTICS

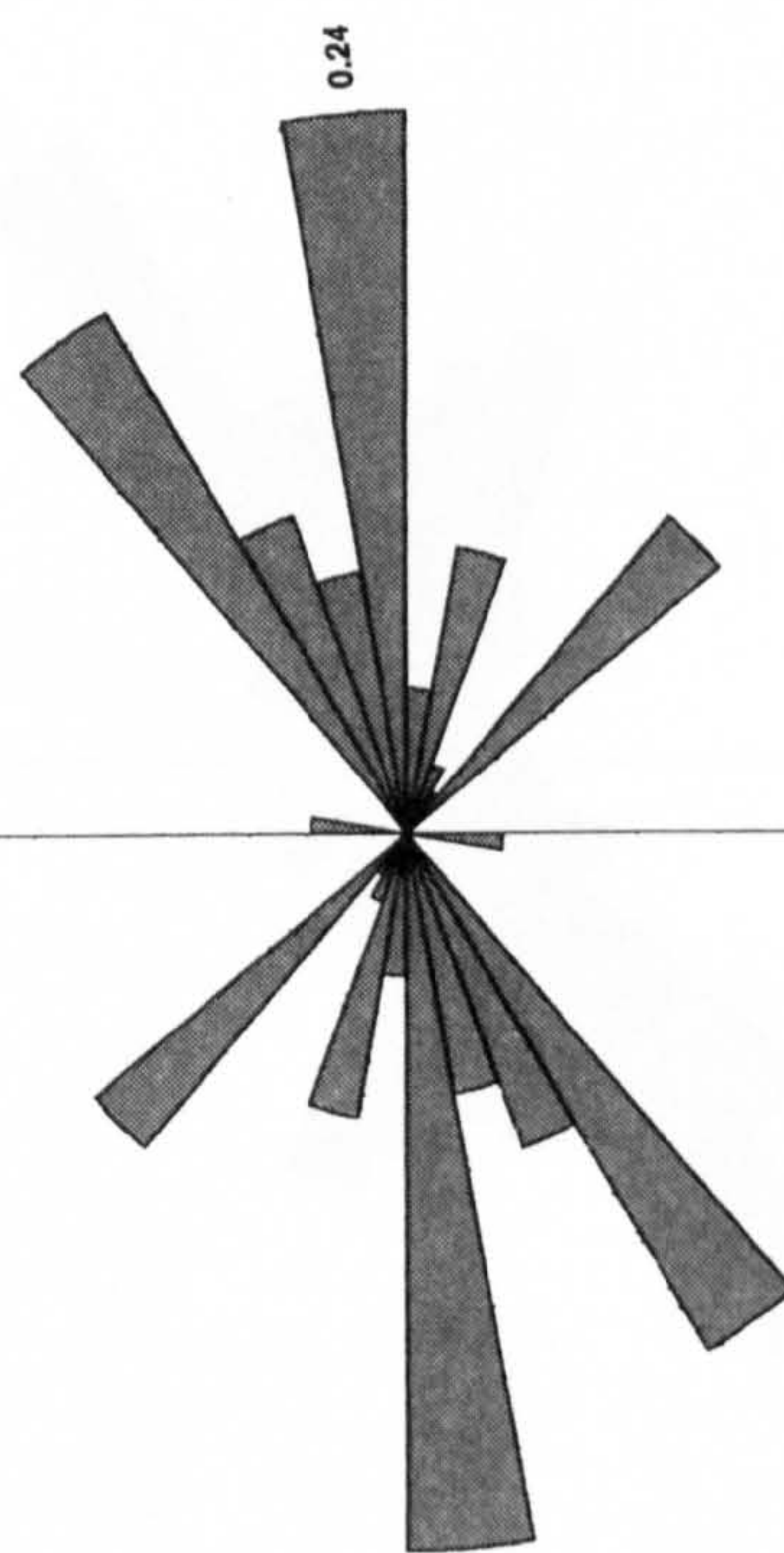
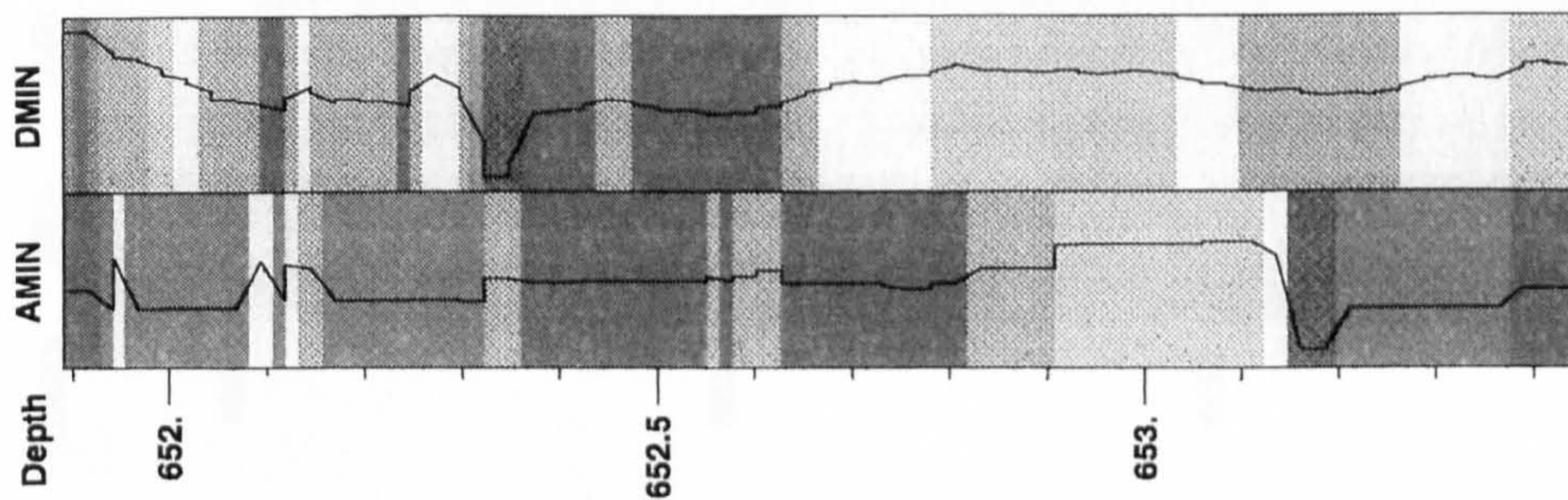
NUMBER OF DATA POINTS: 1720

*SIT FZ Analysis.*



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 651.9 TO 653.5 METRES



DMIN (DMIN)

Min stress = 79.2 +- 18.7 Class 1

LINEAR WEIGHTED STATISTICS

NUMBER OF DATA POINTS: 124

*SIT FZ Analysis.*

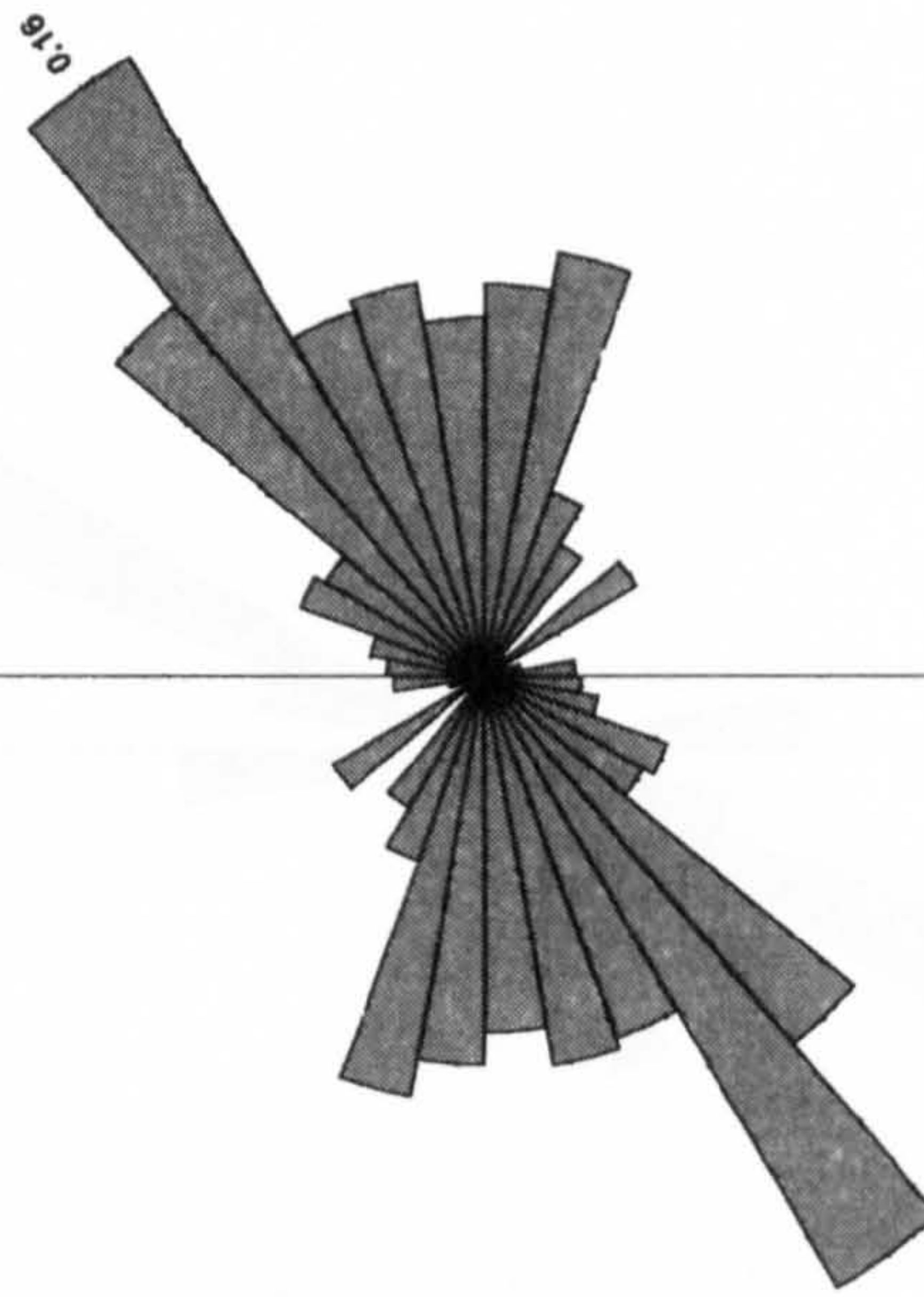
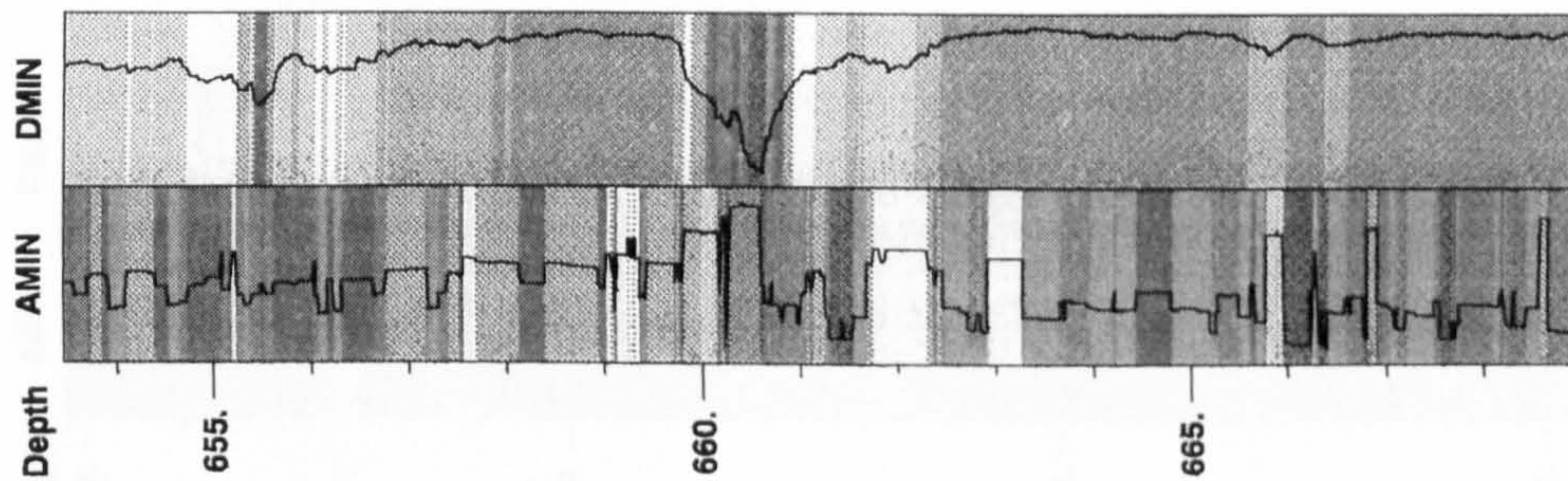
Date : 23-Jul-01

File : rcf3\_amw1\_hjrbk\_630\_735



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 653.5 TO 669.0 METRES



DMIN (DMIN)

Class 3

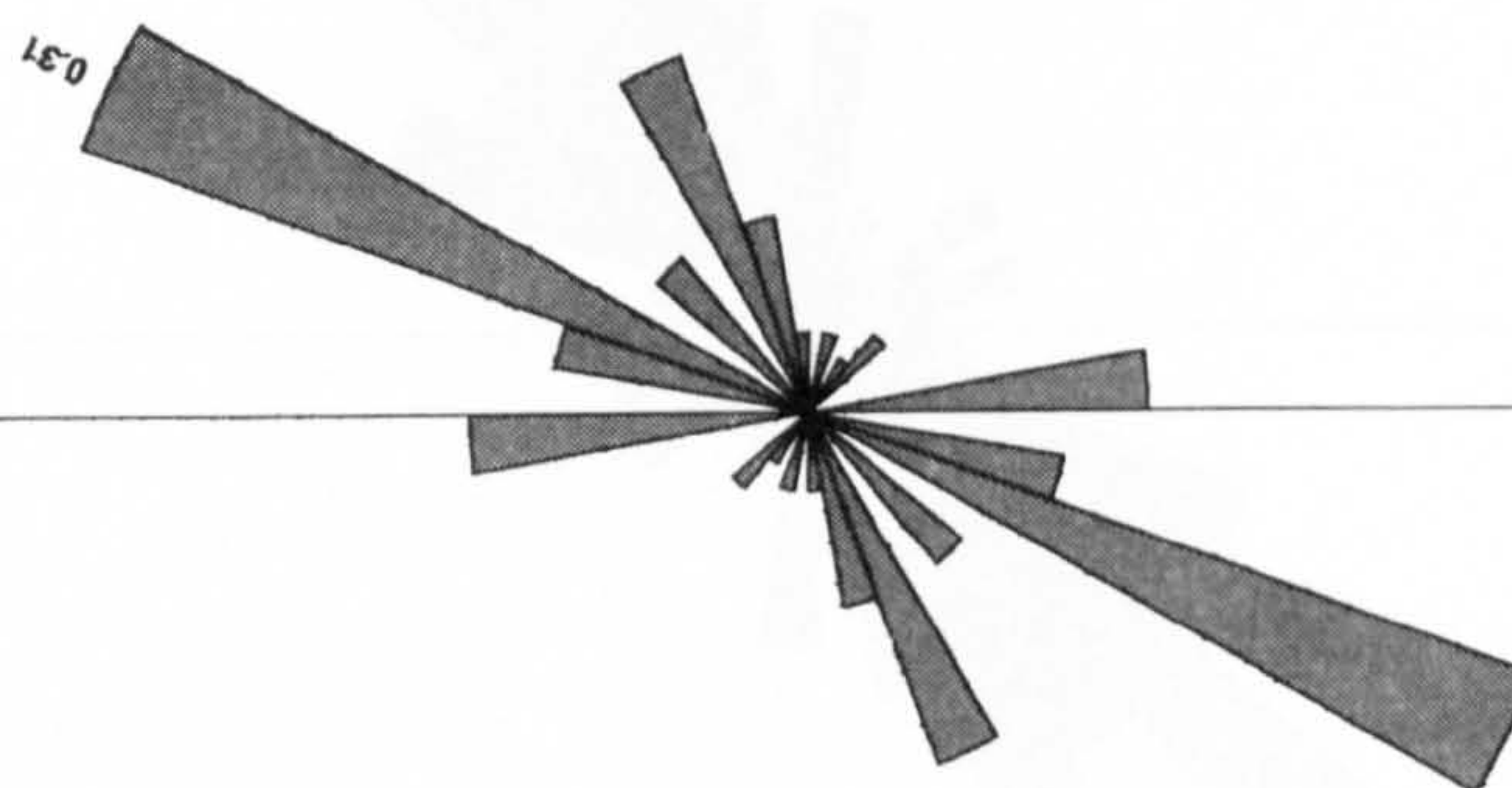
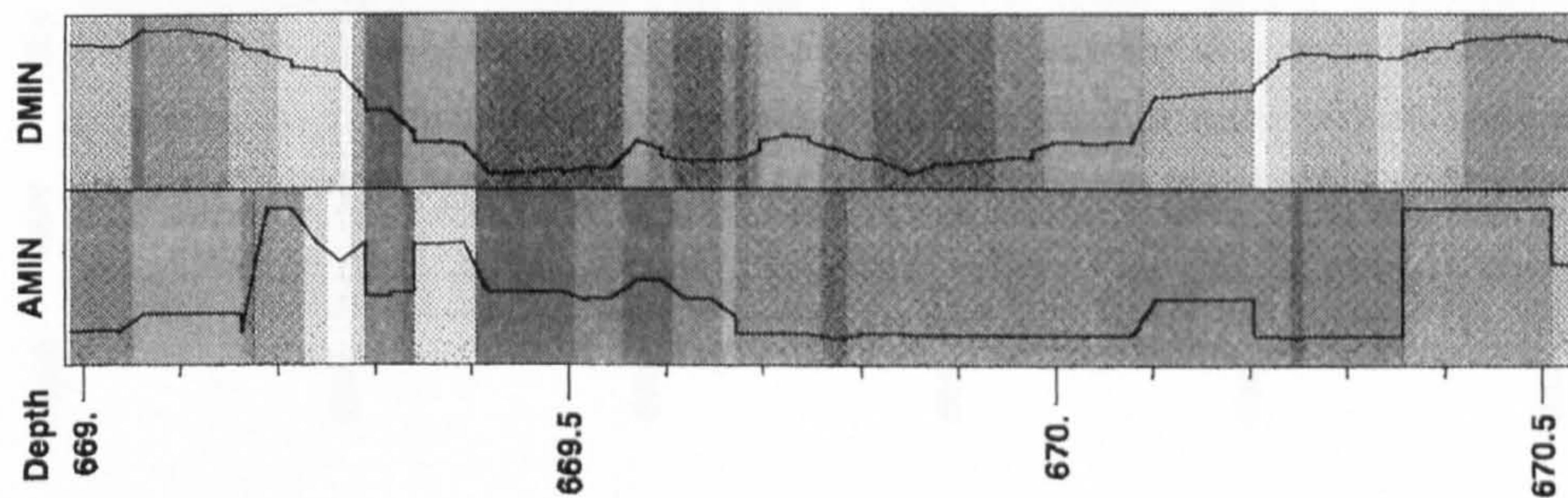
Min stress = 60.4 +- 22.0  
 LINEAR WEIGHTED STATISTICS  
 NUMBER OF DATA POINTS: 1222

*SIT FZ Analysis.*



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 669.0 TO 670.5 METRES



DMIN (DMIN)

Class 3

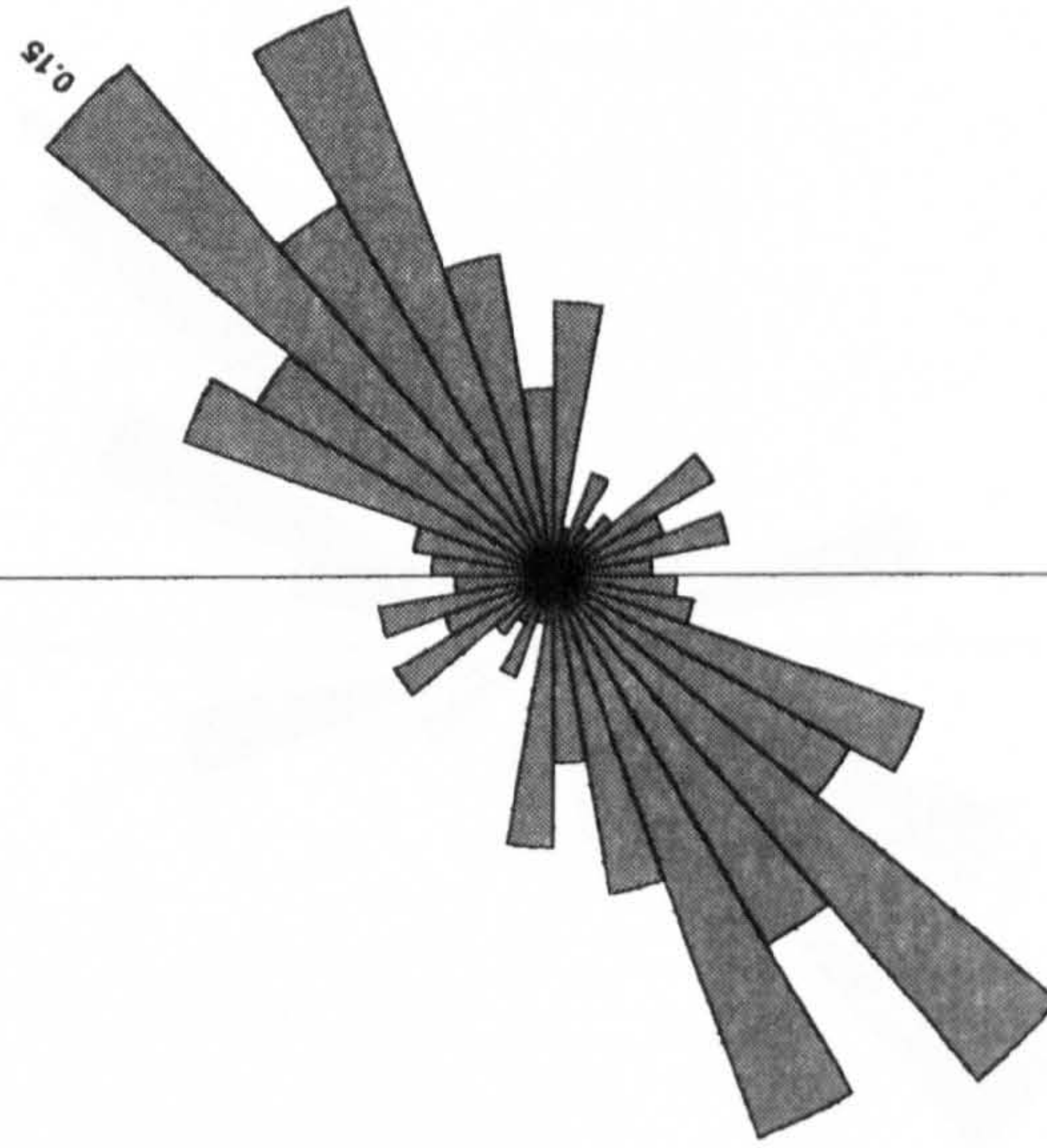
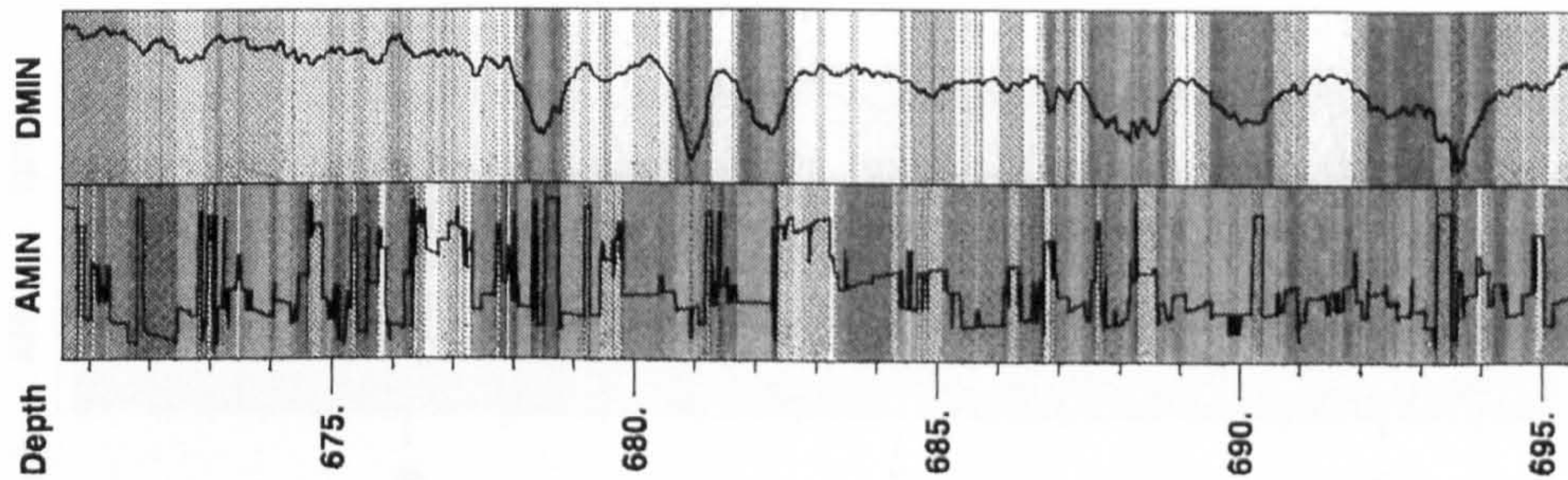
Min stress = 26.6 +- 22.2  
 LINEAR WEIGHTED STATISTICS  
 NUMBER OF DATA POINTS: 124

*SIT FZ Analysis*



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 670.5 TO 695.6 METRES



DMIN (DMIN)

Min stress = 48.8 +- 20.5 Class 3

LINEAR WEIGHTED STATISTICS

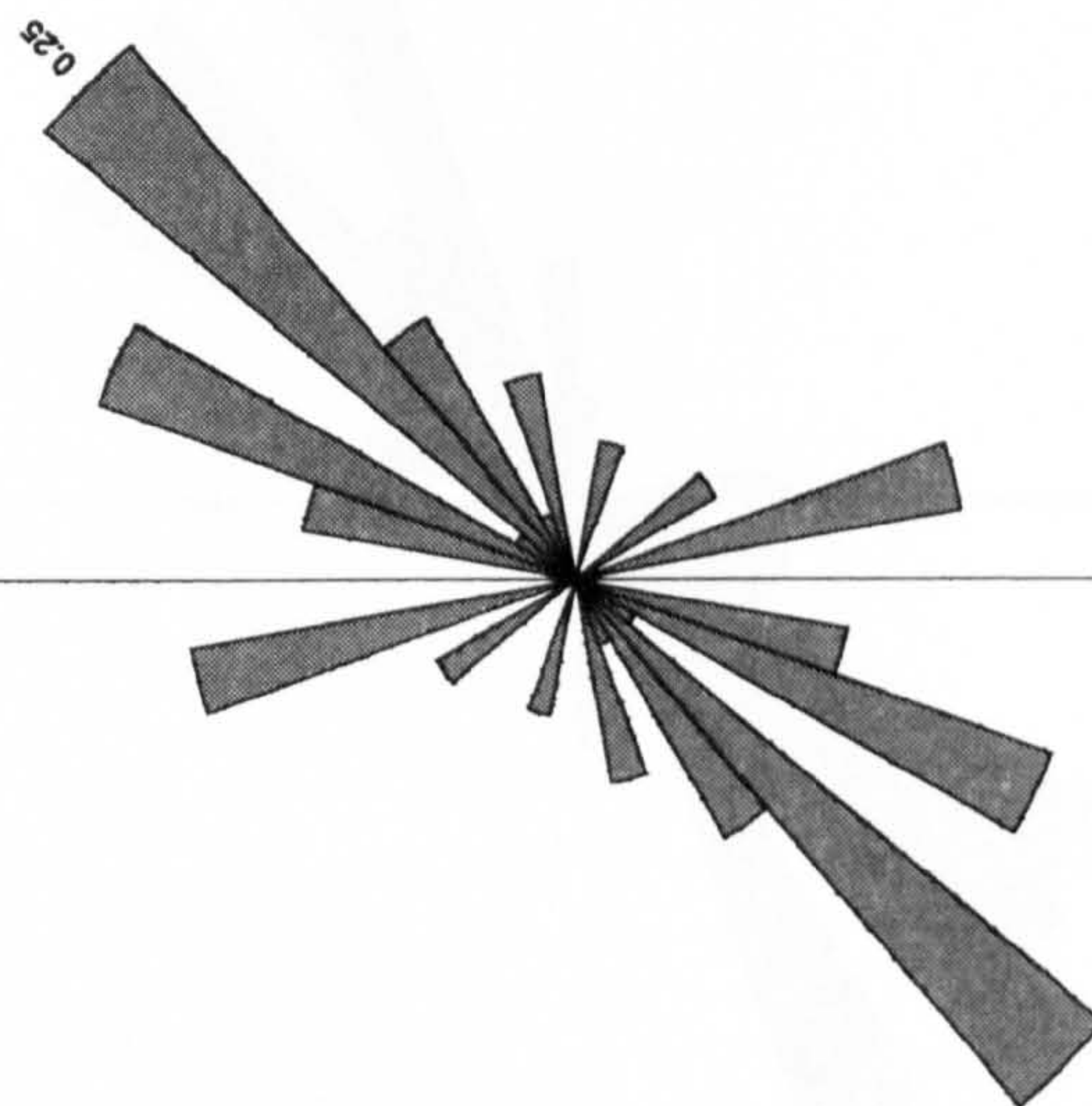
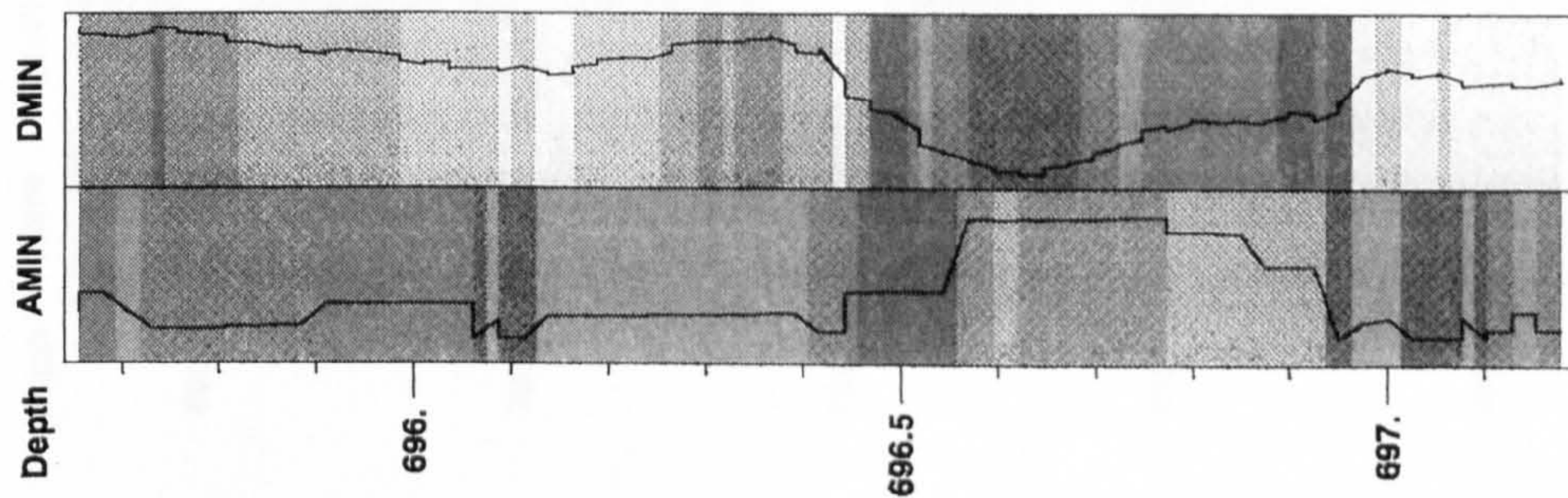
NUMBER OF DATA POINTS: 1976

*SIT FZ Analysis.*



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 695.6 TO 697.2 METRES



DMIN (DMIN)

Class 1

Min stress = 40.1 +- 16.9

LINEAR WEIGHTED STATISTICS

NUMBER OF DATA POINTS: 122

*SIT FZ Analysis.*

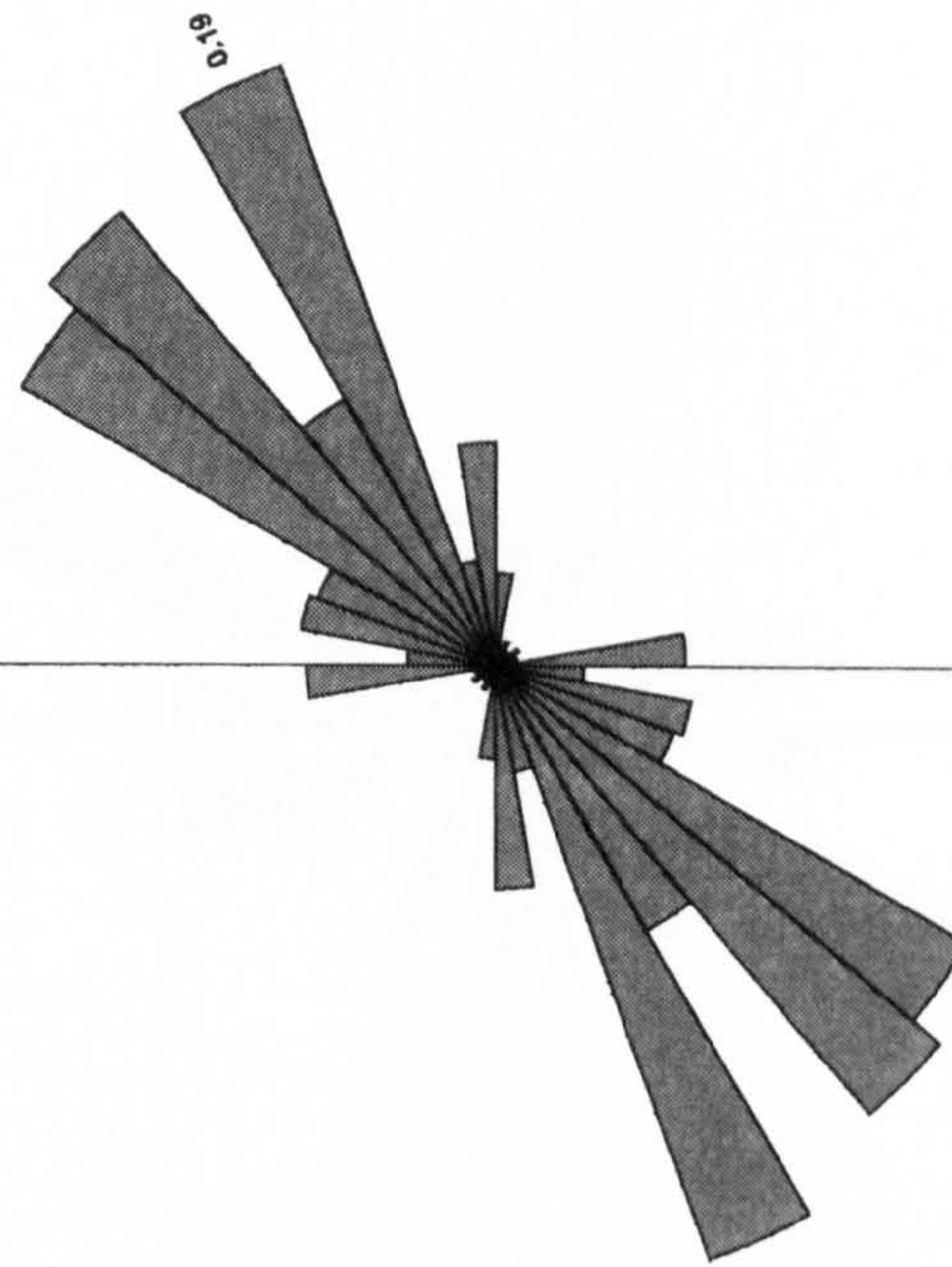
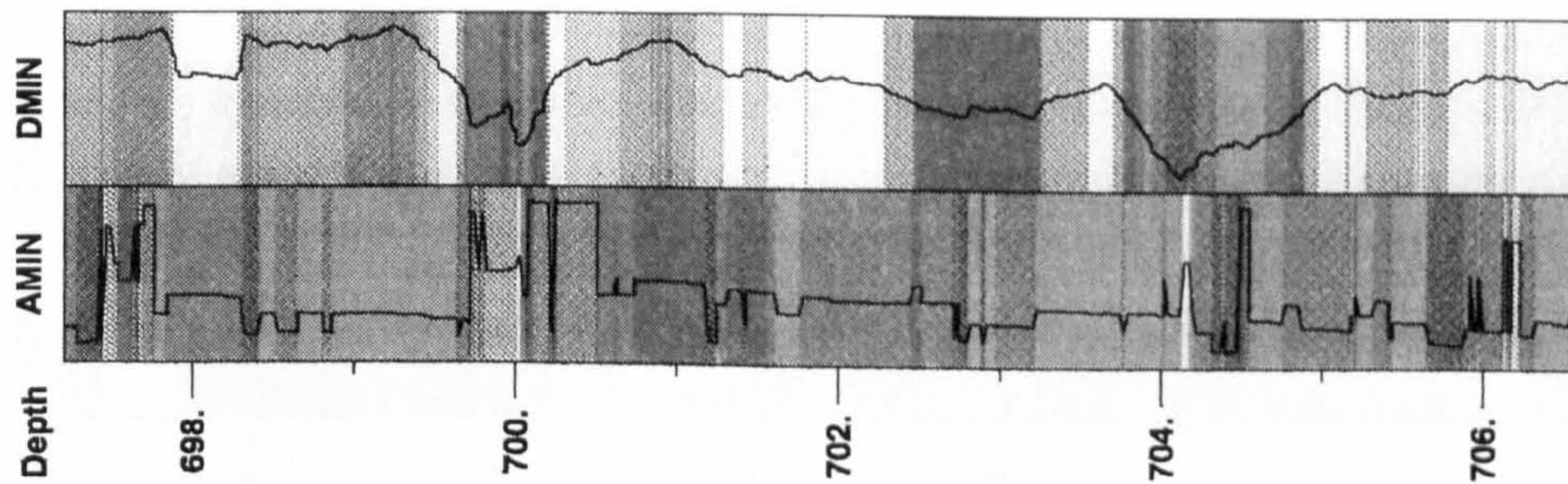
Date : 23-Jul-01

File : rcf3\_amwf\_hjrbk\_630\_735



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 697.2 TO 706.6 METRES



DMIN (DMIN)

Class 1

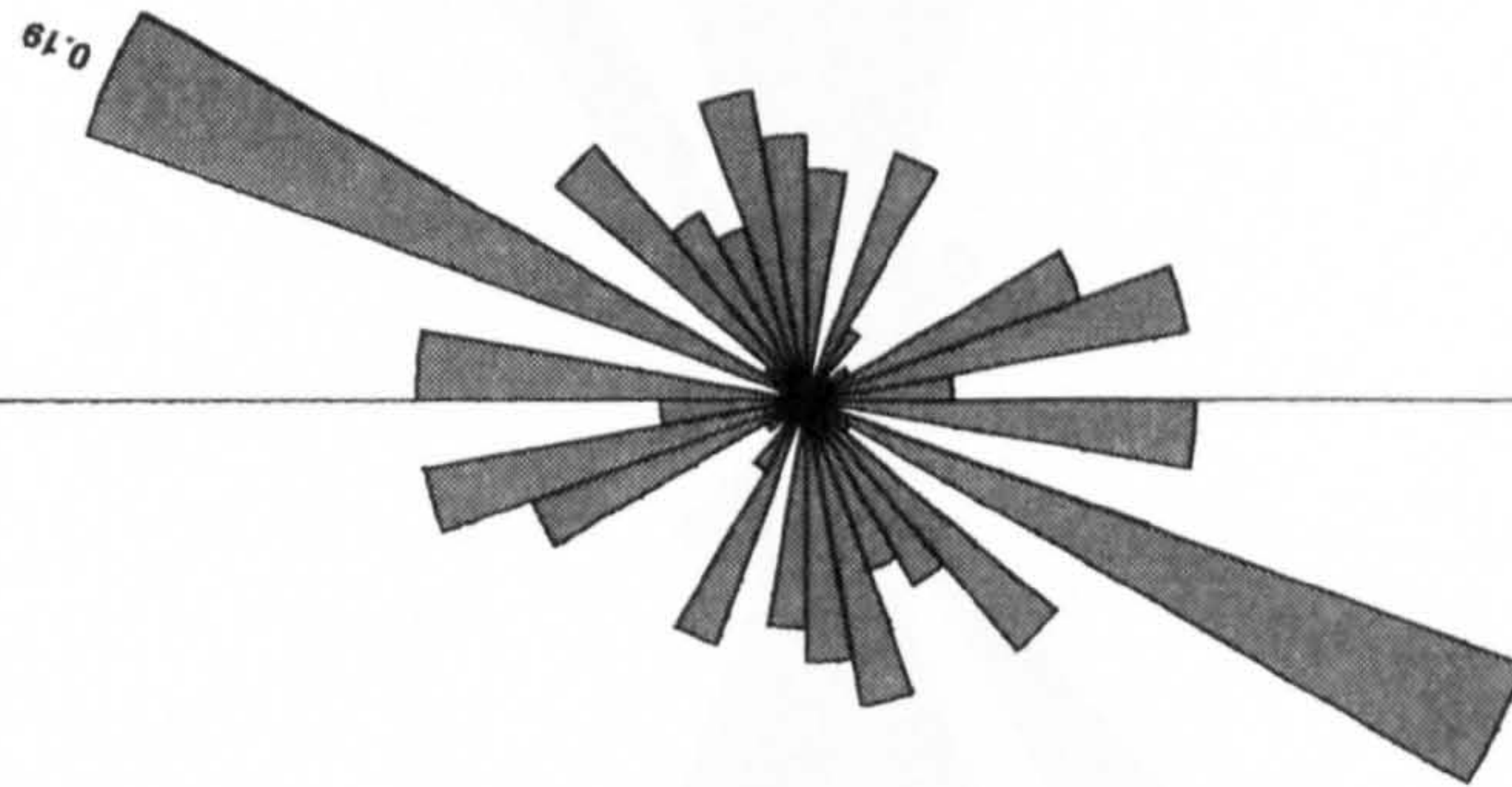
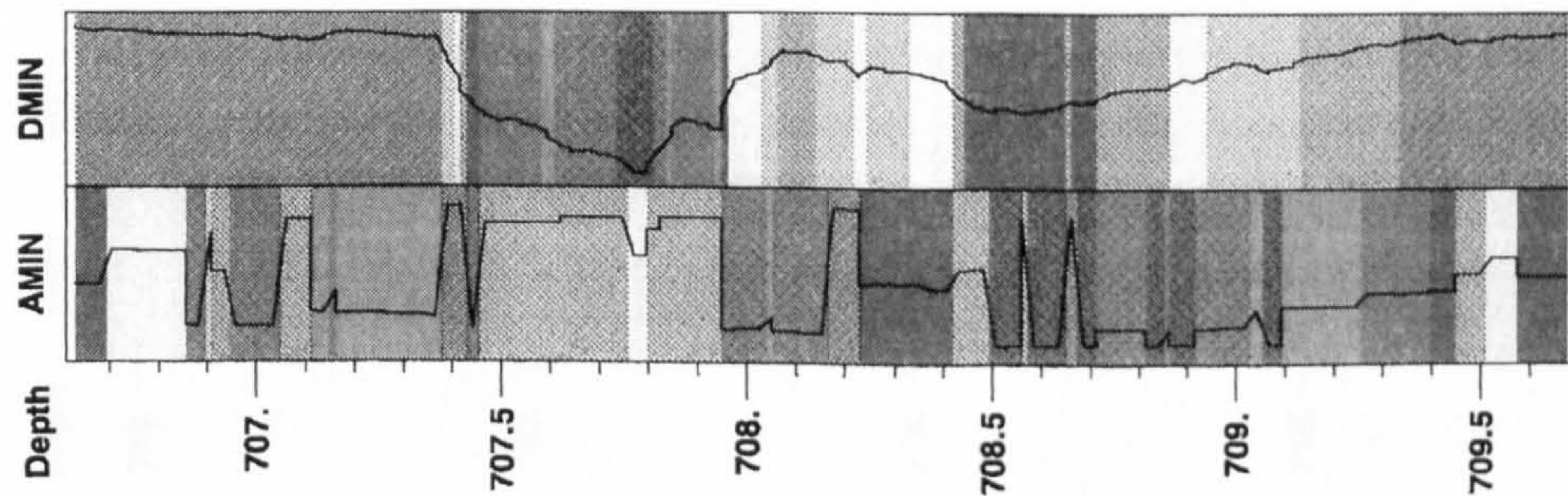
Min stress = 52.2 +- 18.8  
 LINEAR WEIGHTED STATISTICS  
 NUMBER OF DATA POINTS: 742

*SIT FZ Analysis.*



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 706.6 TO 709.7 METRES



DMIN (DMIN)

Class 2

Min stress = 21.6 +- 25.8

LINEAR WEIGHTED STATISTICS

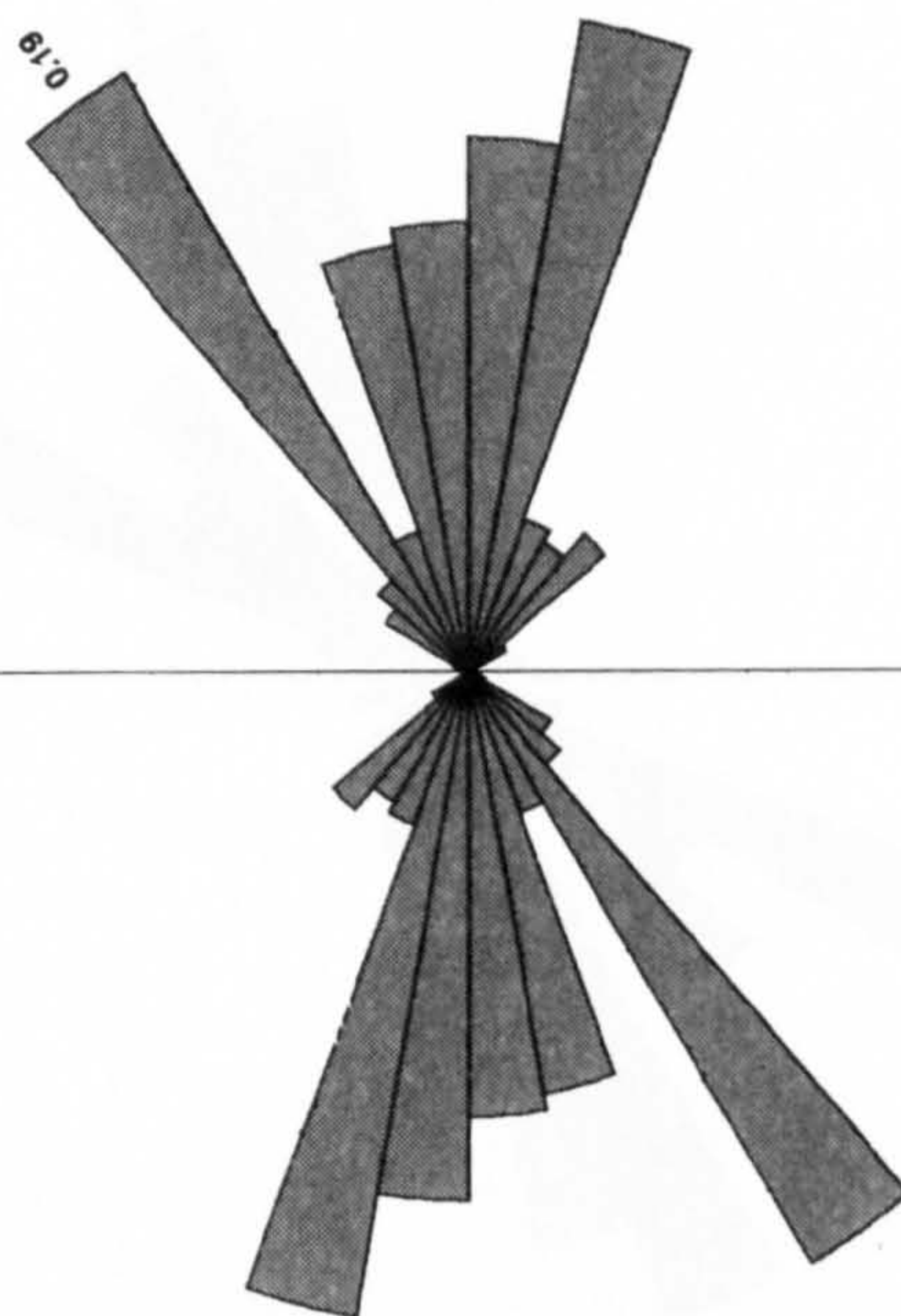
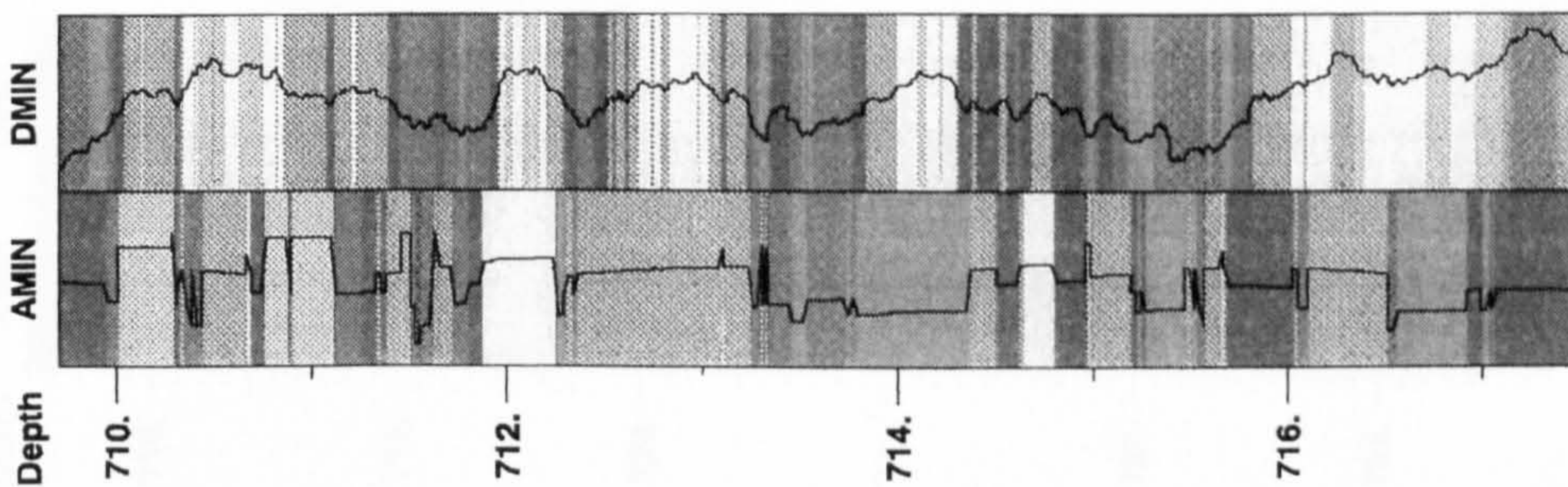
NUMBER OF DATA POINTS: 242

*SIT FZ Analysis.*



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 709.7 TO 717.5 METRES



DMIN (DMIN)

Class 1

Min stress = 71.1 +- 19.6

LINEAR WEIGHTED STATISTICS

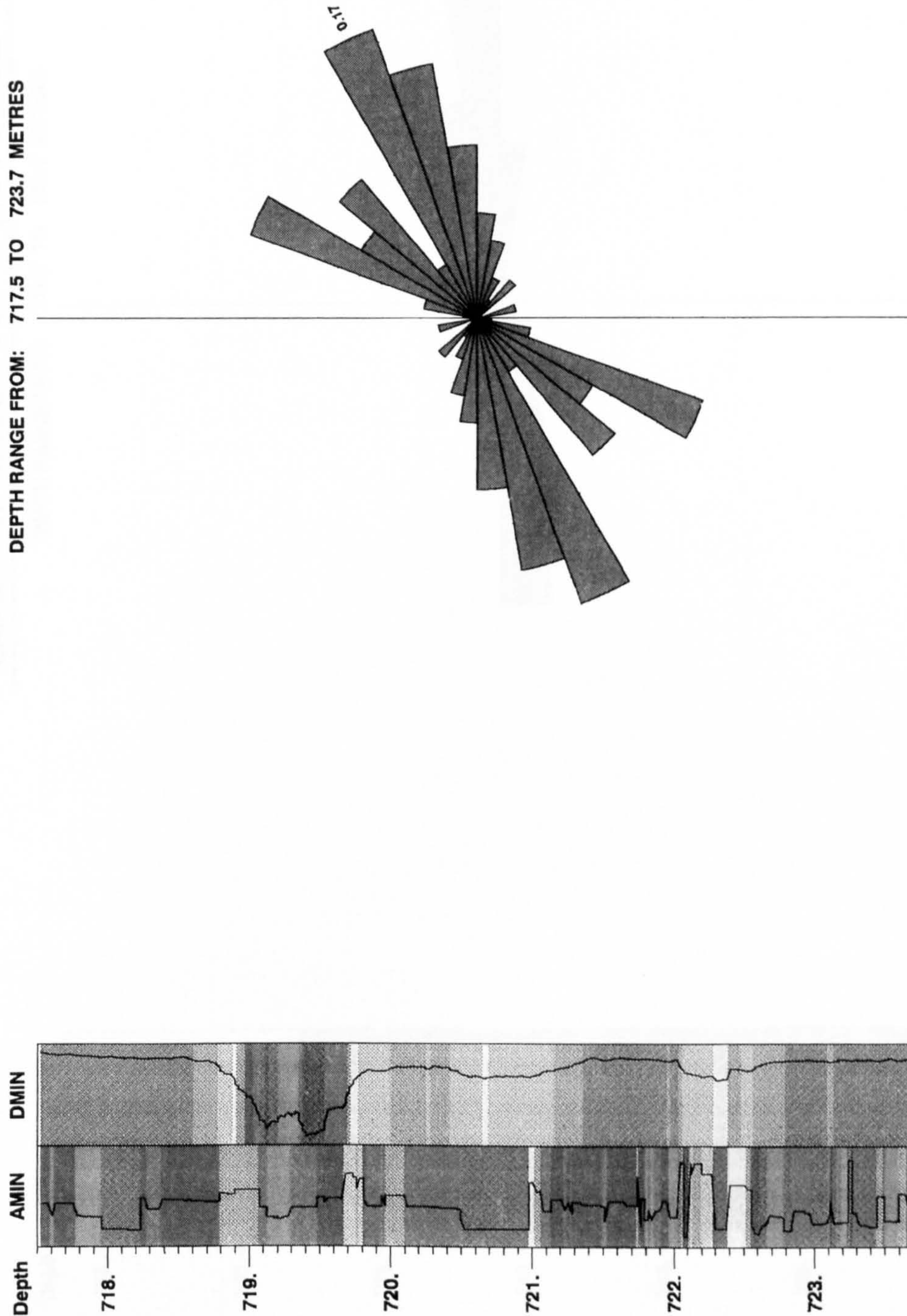
NUMBER OF DATA POINTS: 616

*SIT FZ Analysis.*



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 717.5 TO 723.7 METRES



DMIN (DMIN)

Class 3

Min stress = 60.8 +- 24.6

LINEAR WEIGHTED STATISTICS

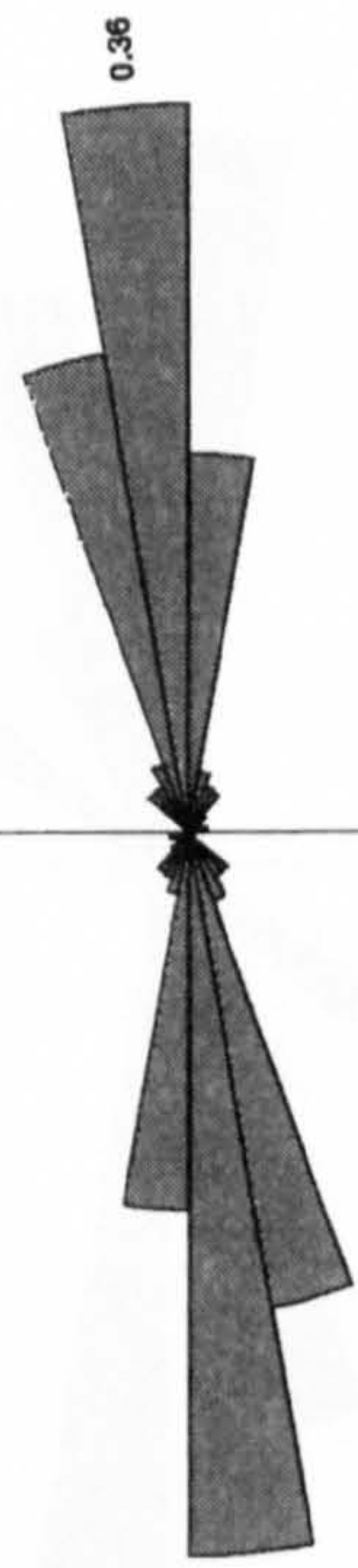
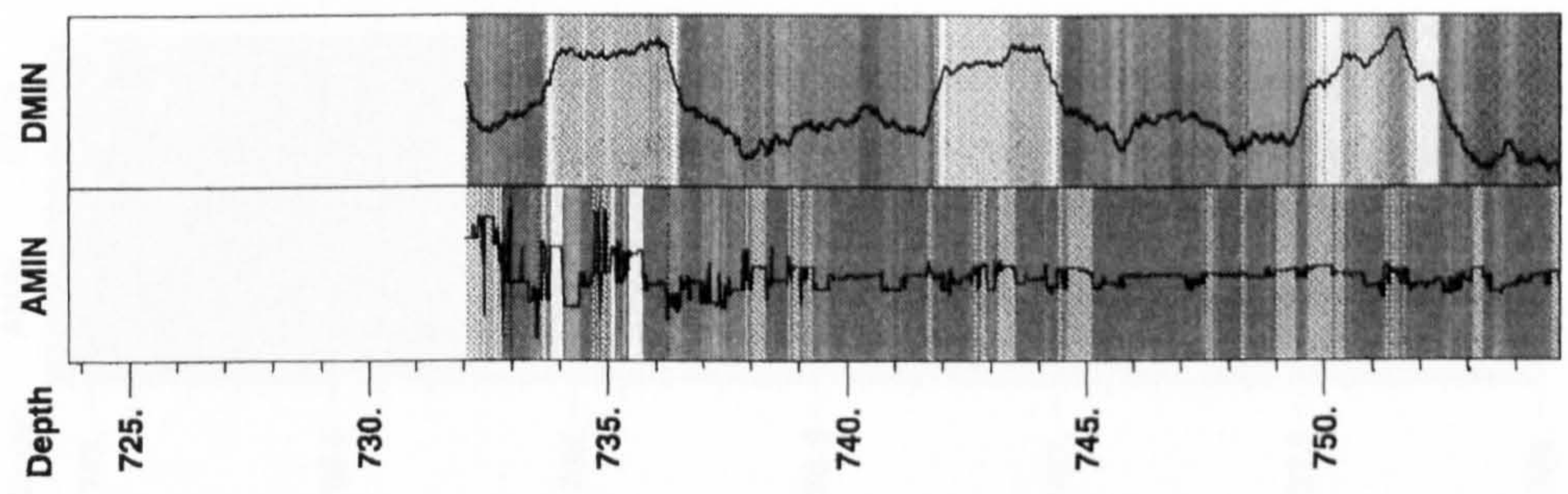
NUMBER OF DATA POINTS: 488

*SIT FZ Analysis.*



**SELLAFIELD RCF3 (NY00SE 37)**

DEPTH RANGE FROM: 723.7 TO 754.9 METRES



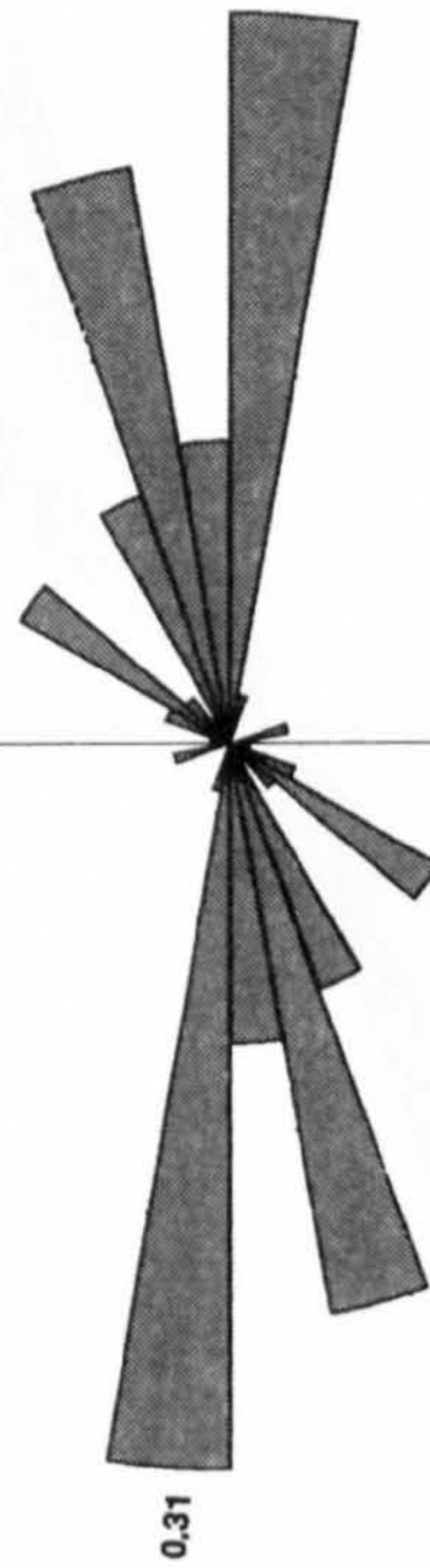
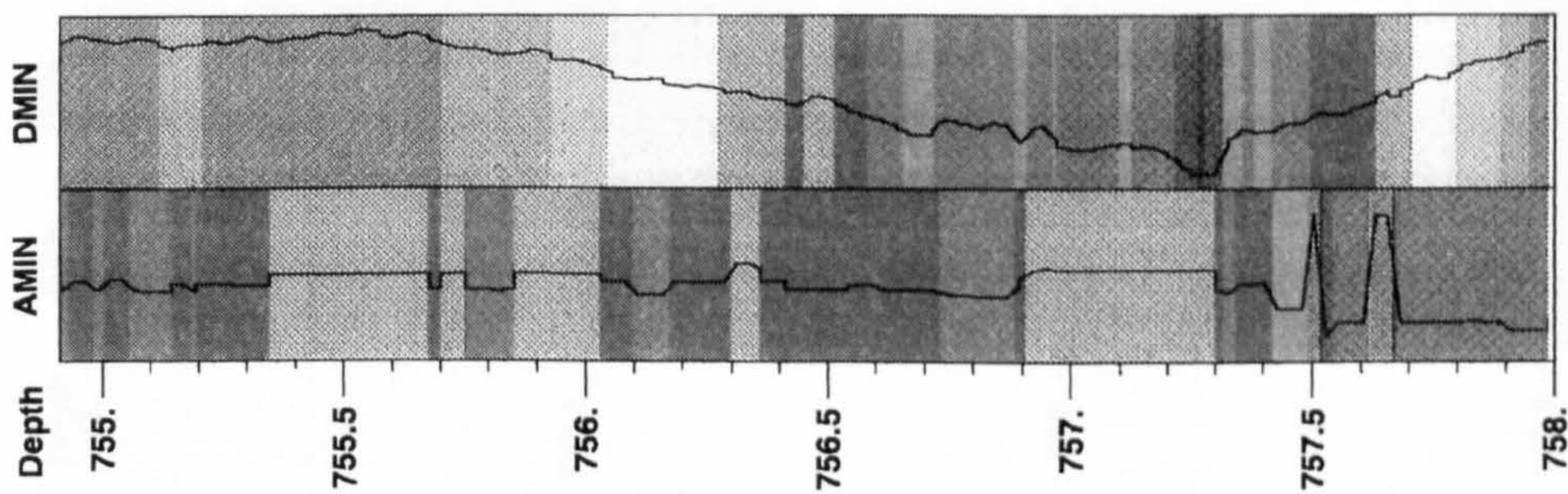
DMIN (DMIN)  
**Min stress = 84.8 +- 14.1 Class 1**  
LINEAR WEIGHTED STATISTICS  
NUMBER OF DATA POINTS: 1802

*SIT FZ Analysis.*



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 754.9 TO 758.0 METRES



DMIN (DMIN)

Class 1

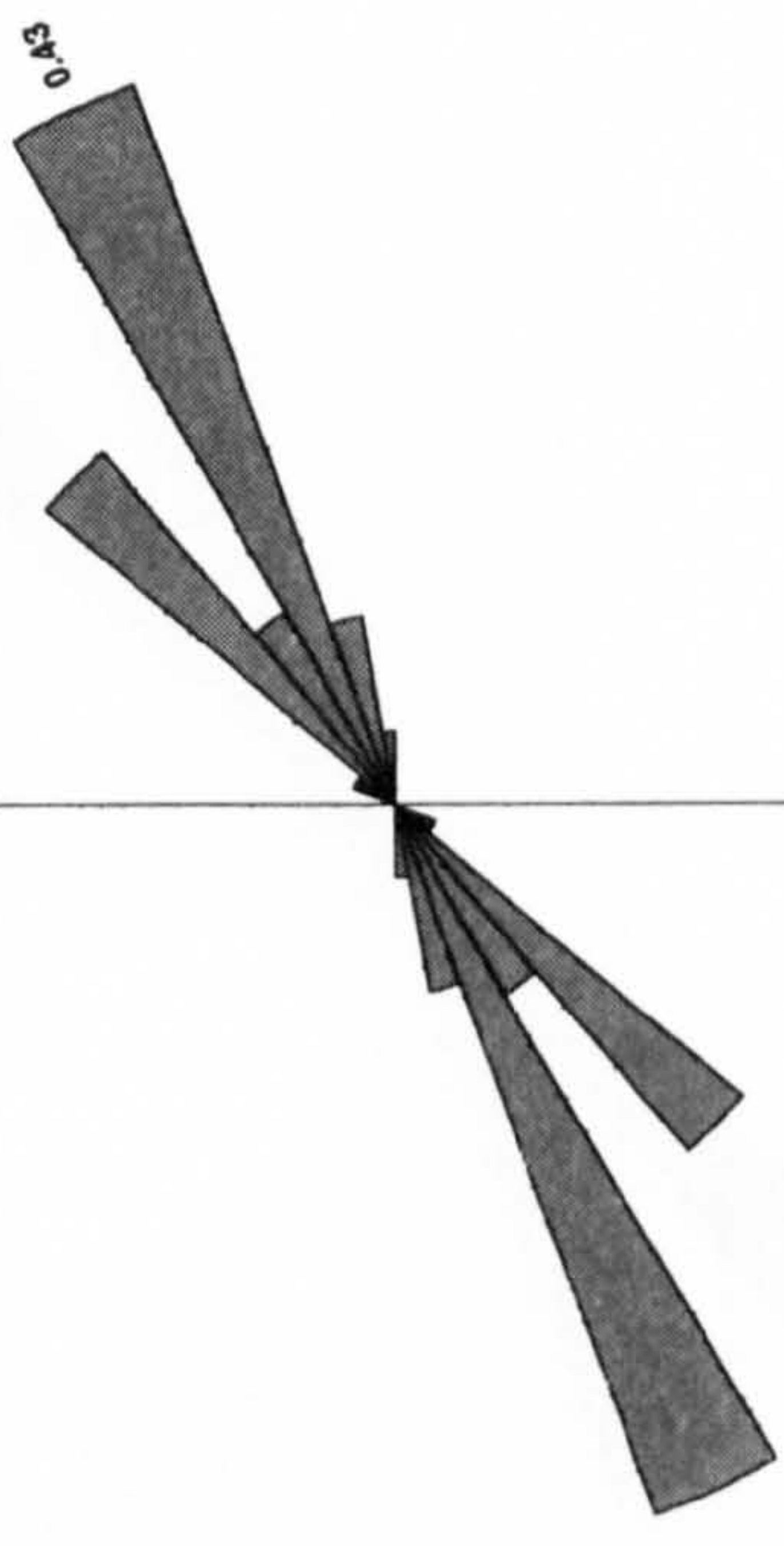
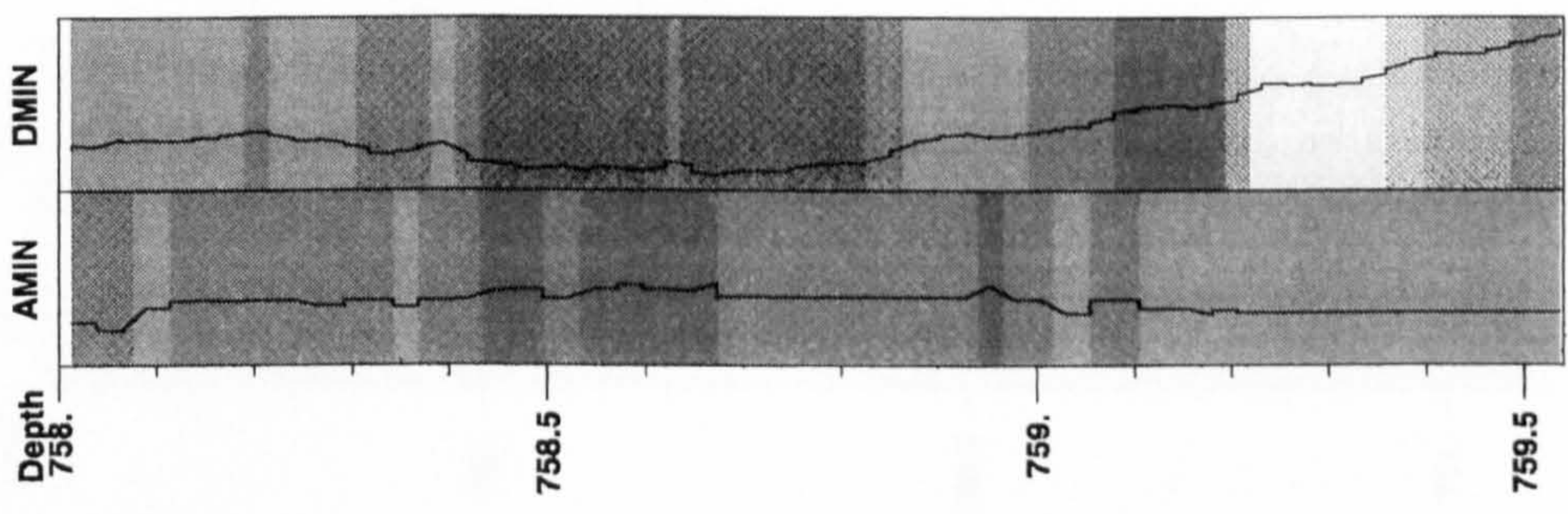
Min stress = 82.3 +- 11.1  
 LINEAR WEIGHTED STATISTICS  
 NUMBER OF DATA POINTS: 244

*SIT FZ Analysis.*



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 758.0 TO 759.5 METRES

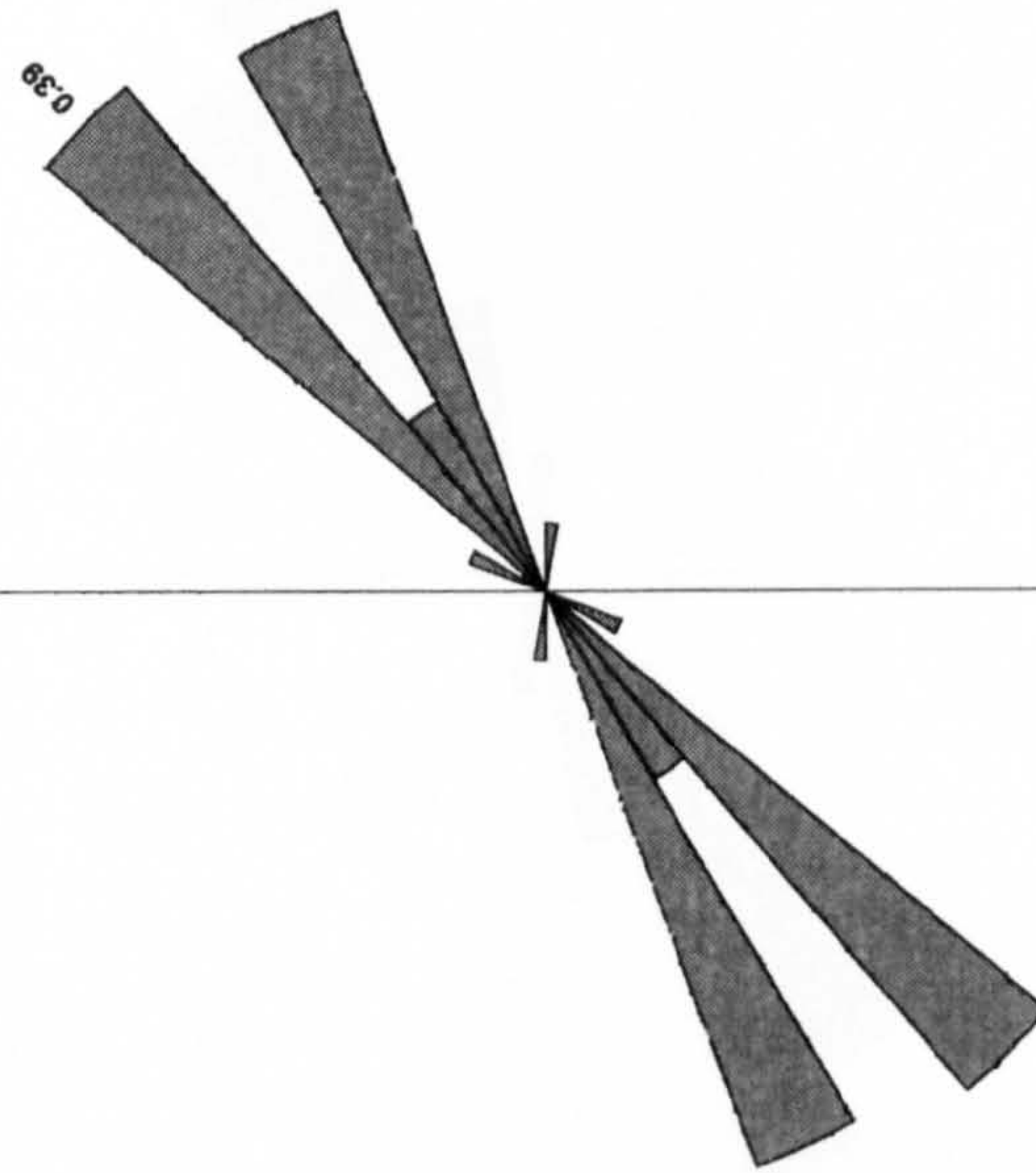
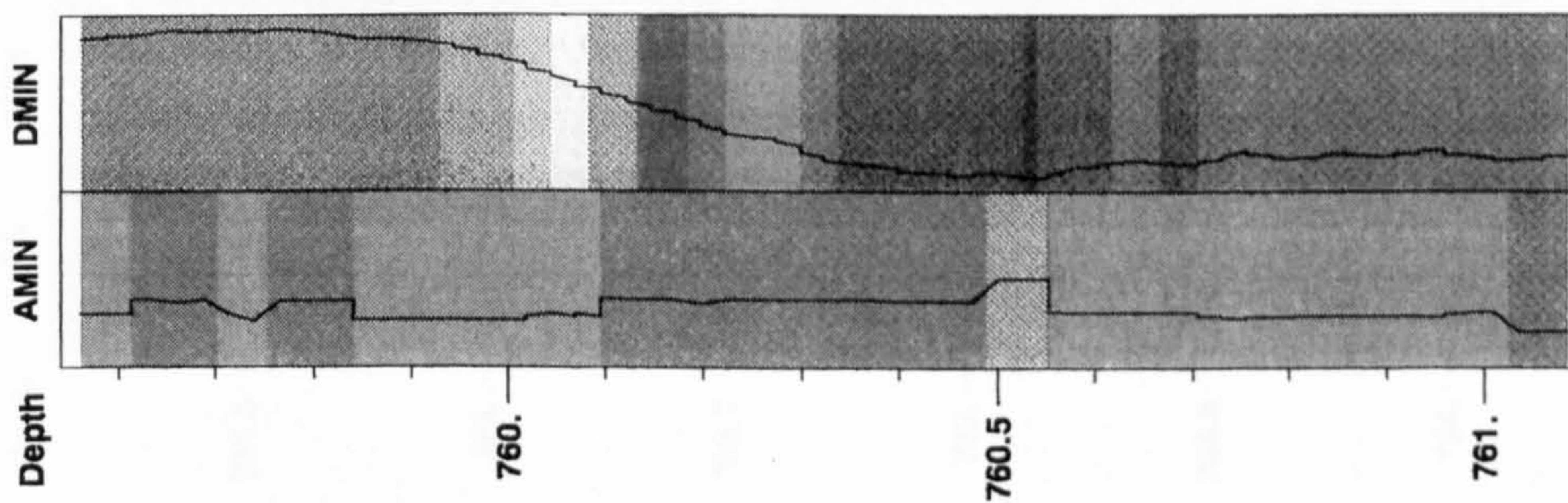


DMIN (DMIN)  
 Min stress = 58.7 +- 12.1 Class 1  
 LINEAR WEIGHTED STATISTICS  
 NUMBER OF DATA POINTS: 122



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 759.5 TO 761.1 METRES



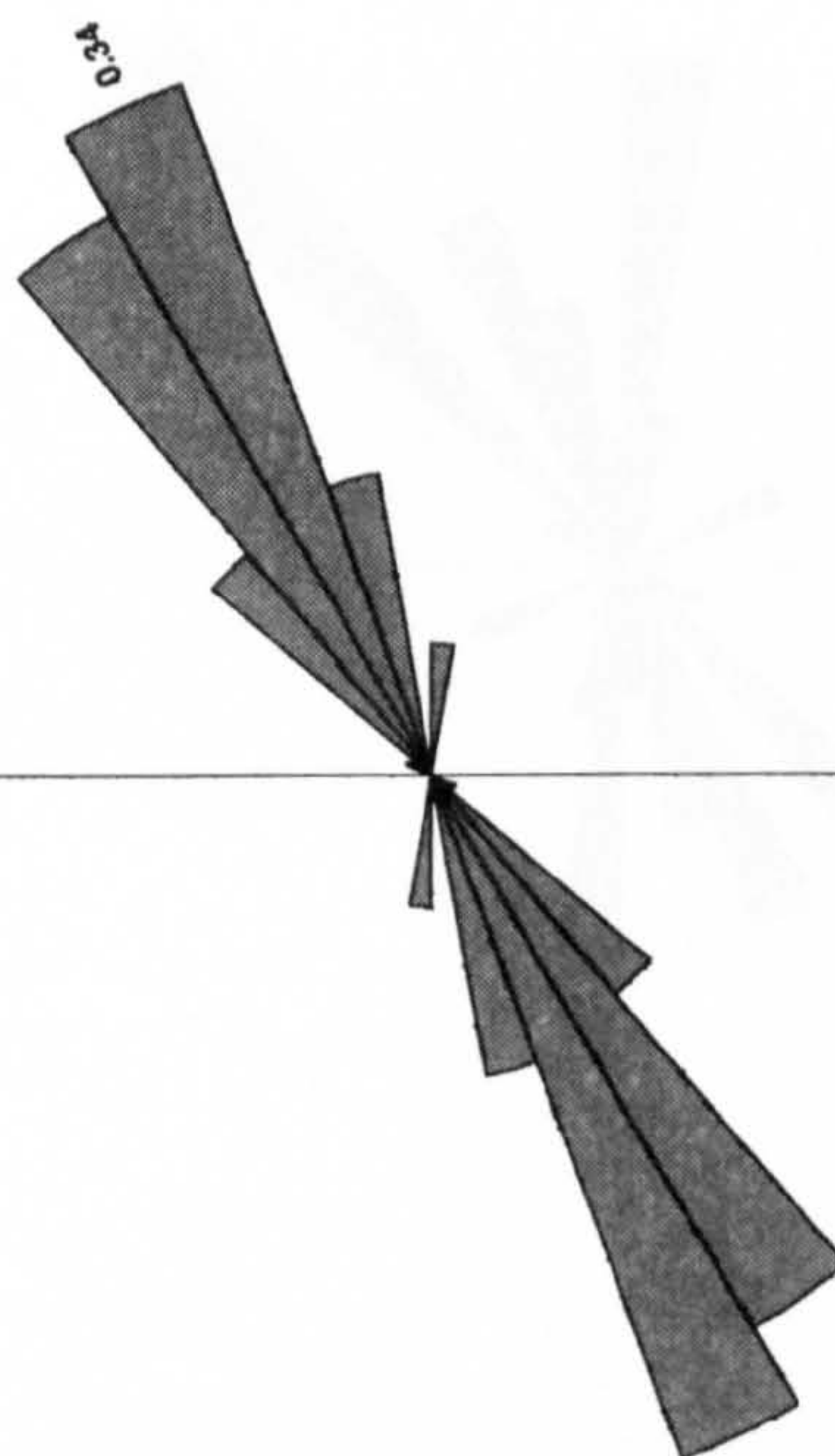
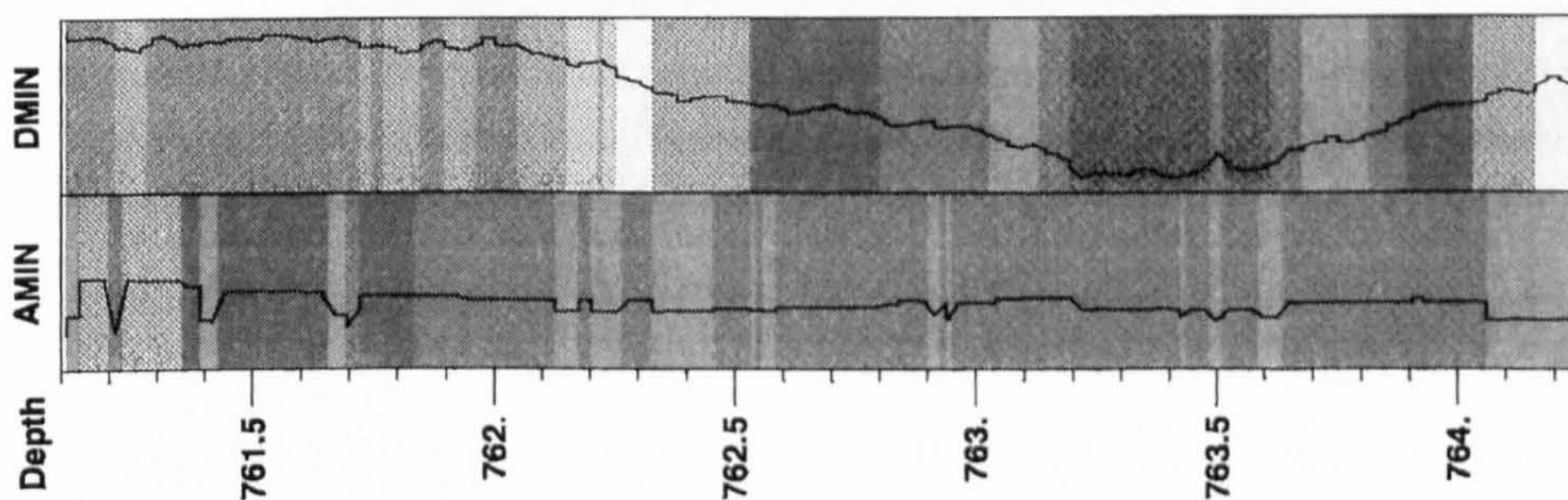
DMIN (DMIN)  
 Min stress = 51.9 +- 10.9 Class 1  
 LINEAR WEIGHTED STATISTICS  
 NUMBER OF DATA POINTS: 122

*SIT FZ Analysis.*



# SELLAFIELD RCF3 (NY00SE 37)

DEPTH RANGE FROM: 761.1 TO 764.3 METRES



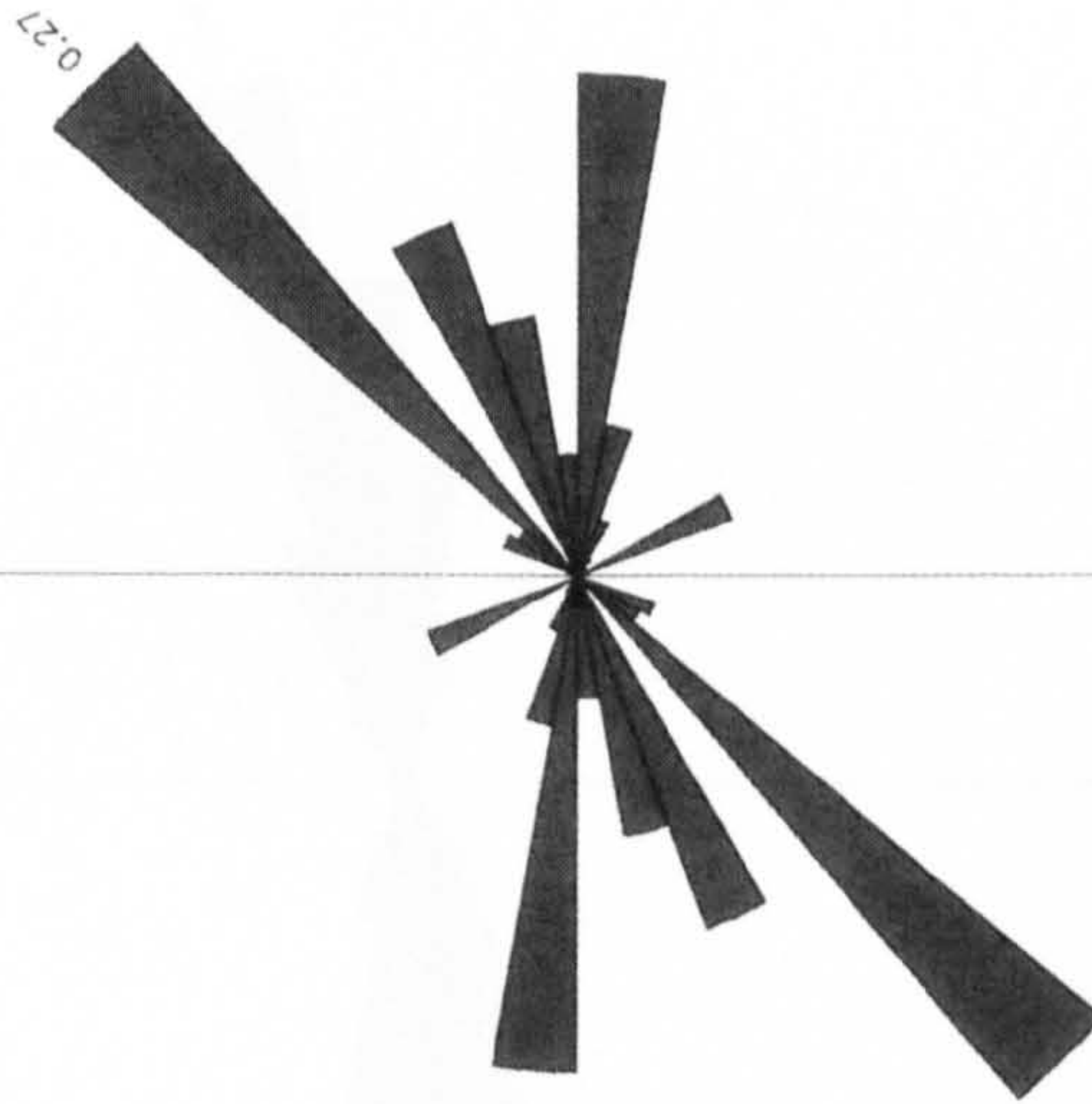
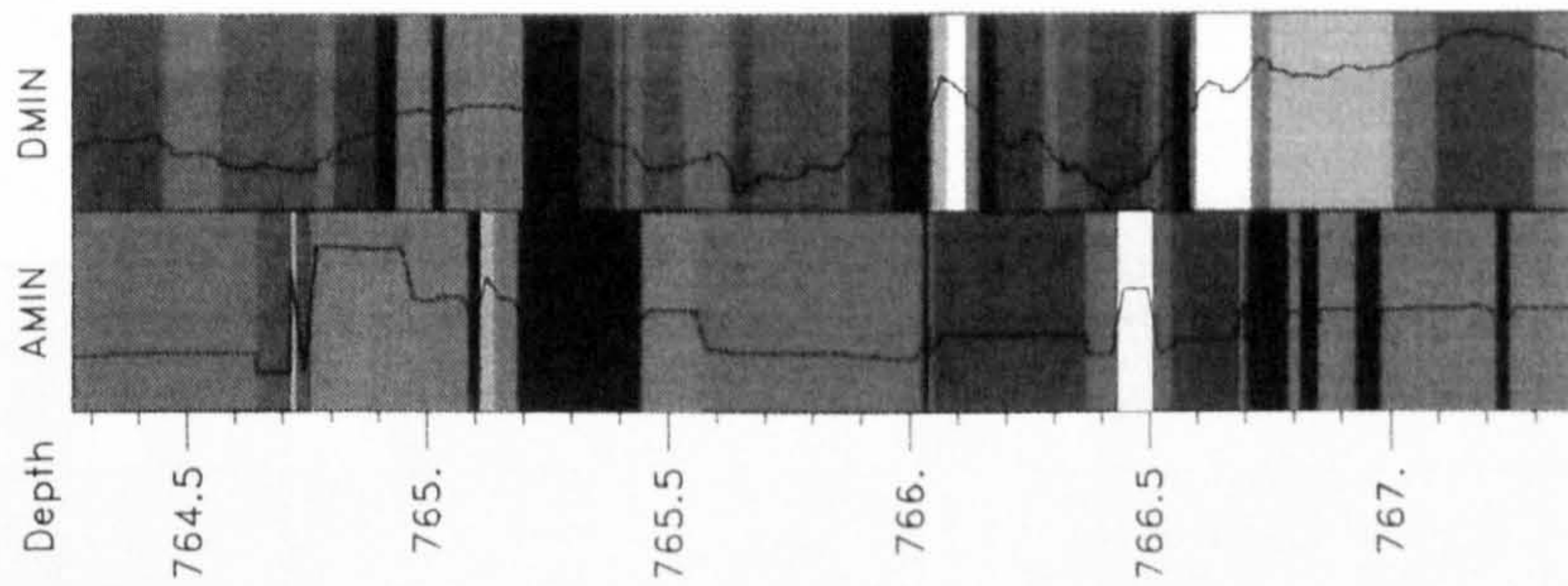
DMIN (DMIN)  
 Min stress = 62.0 +- 12.9 Class 1  
 LINEAR WEIGHTED STATISTICS  
 NUMBER OF DATA POINTS: 248

*SIT FZ Analysis.*



# SELLAFIELD\_RCF3 (NYOOSE 37)

DEPTH RANGE FROM: 764.3 TO 767.4 METRES



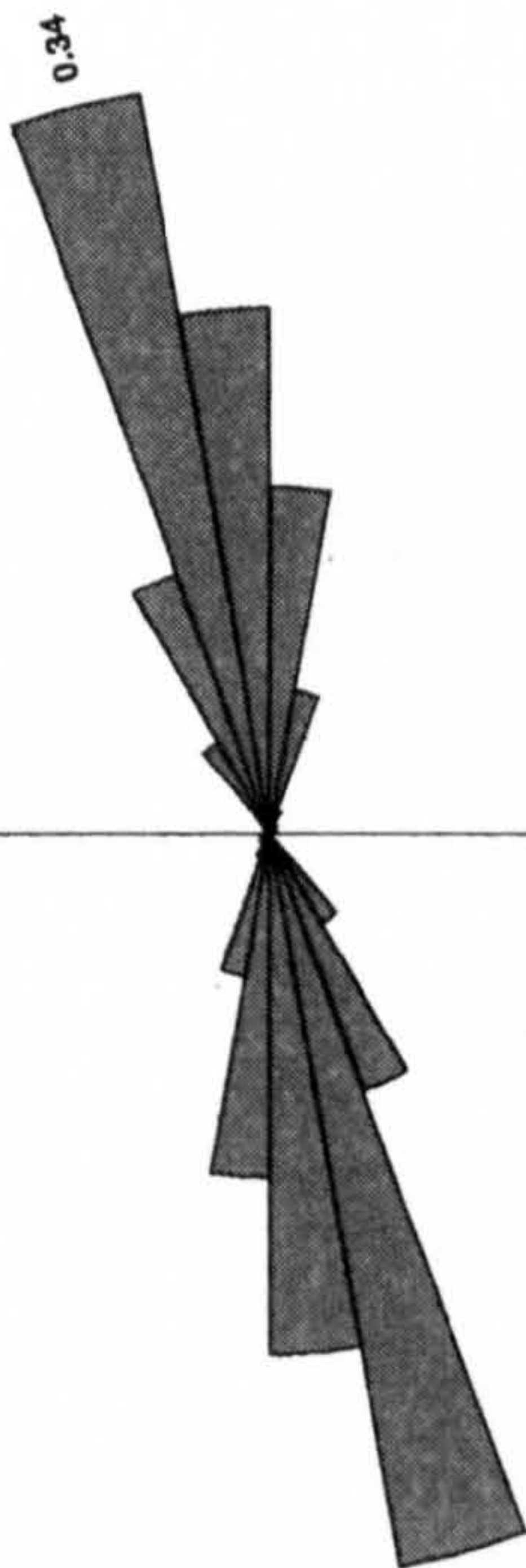
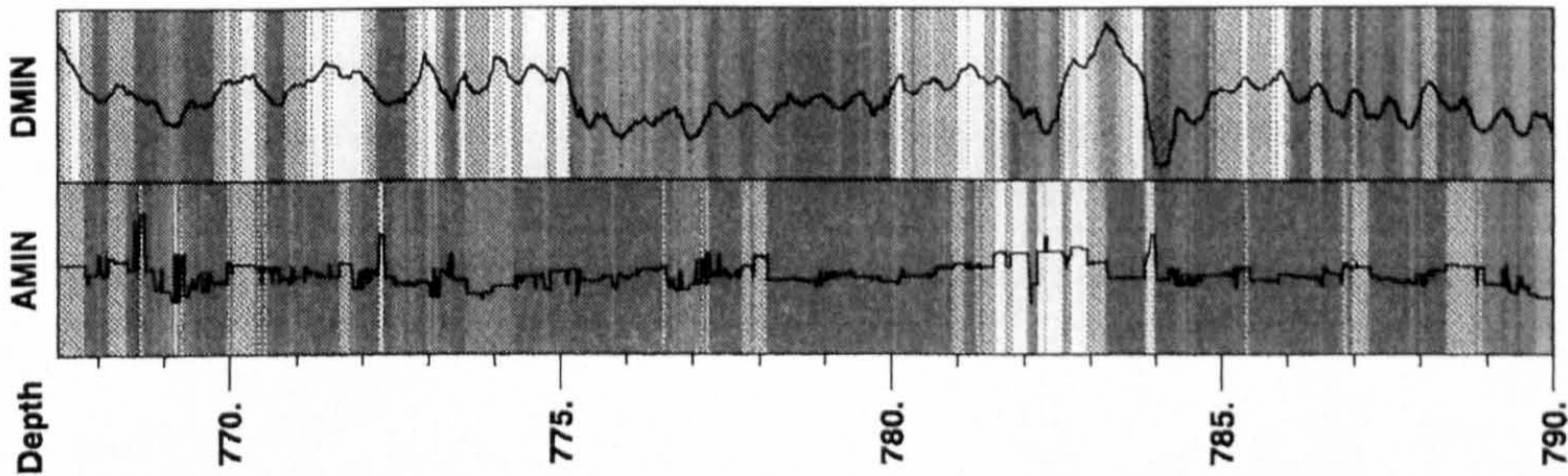
Min stress = 55.6 +- 16.4 DMIN (DMIN) Class 1  
 LINEAR WEIGHTED STATISTICS  
 NUMBER OF DATA POINTS: 248

*SIT FZ Analysis.*



**SELLAFIELD RCF3 (NY00SE 37)**

DEPTH RANGE FROM: 767.4 TO 790.0 METRES

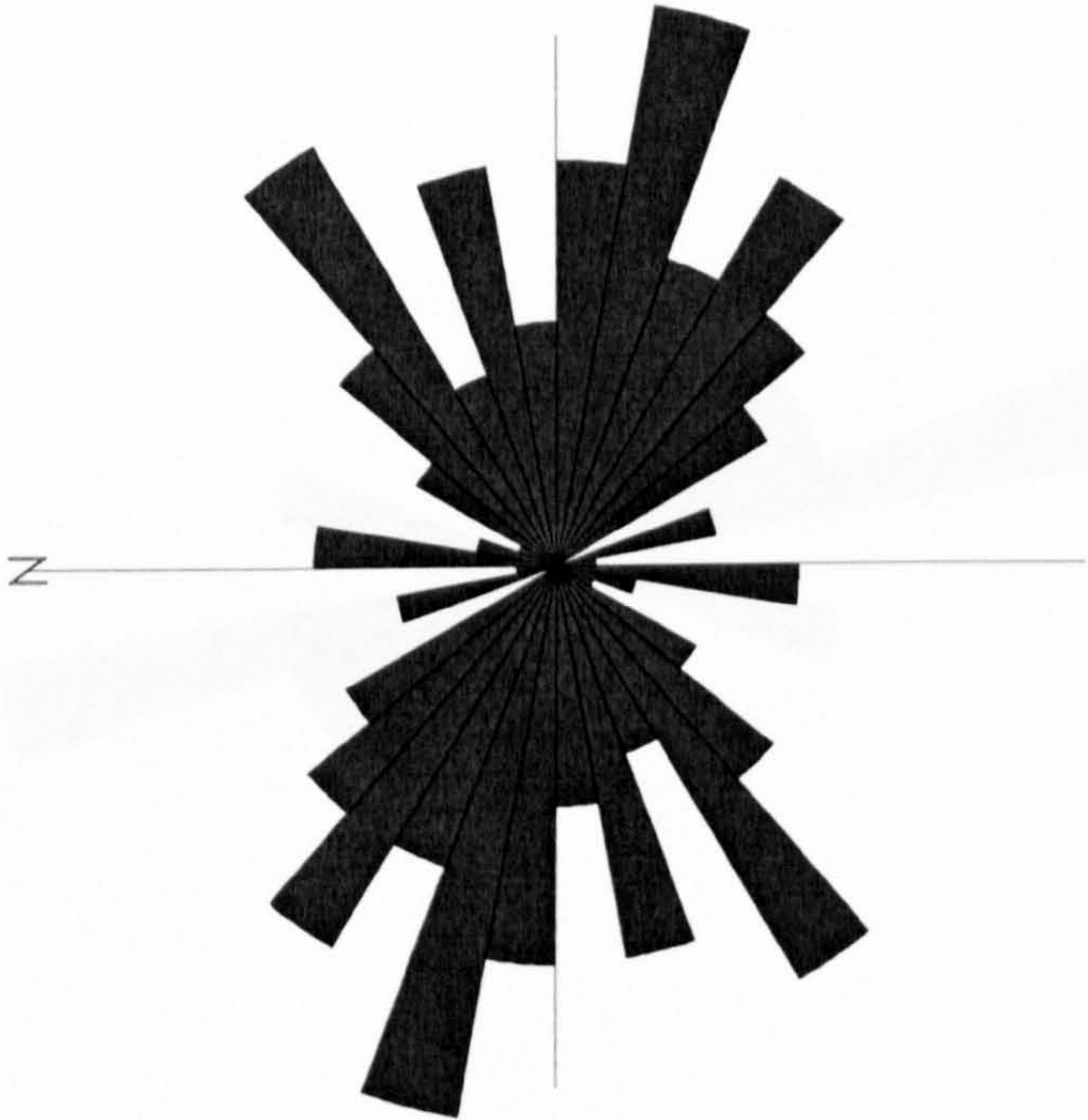


DMIN (DMIN)  
Min stress = 81.0 +- 12.9 Class 1  
LINEAR WEIGHTED STATISTICS  
NUMBER OF DATA POINTS: 1780

*SIT FZ Analysis.*

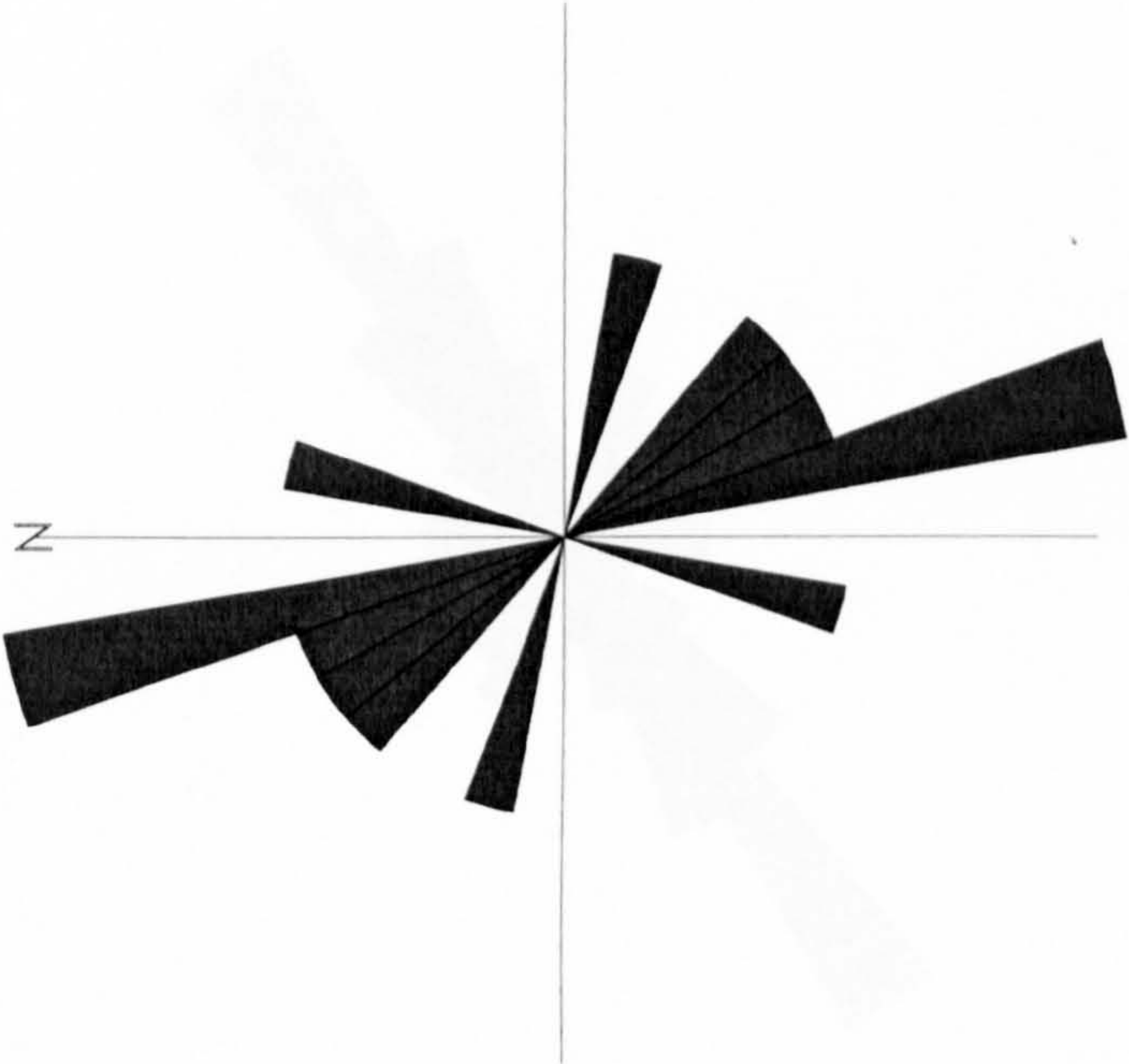


RCF3 SIT  
DEPTH RANGE FROM: 630.0 TO 651.9 METRES



Mean direction = 105.7    +-    23.5    Class 3  
NO OF DATA POINTS    3712

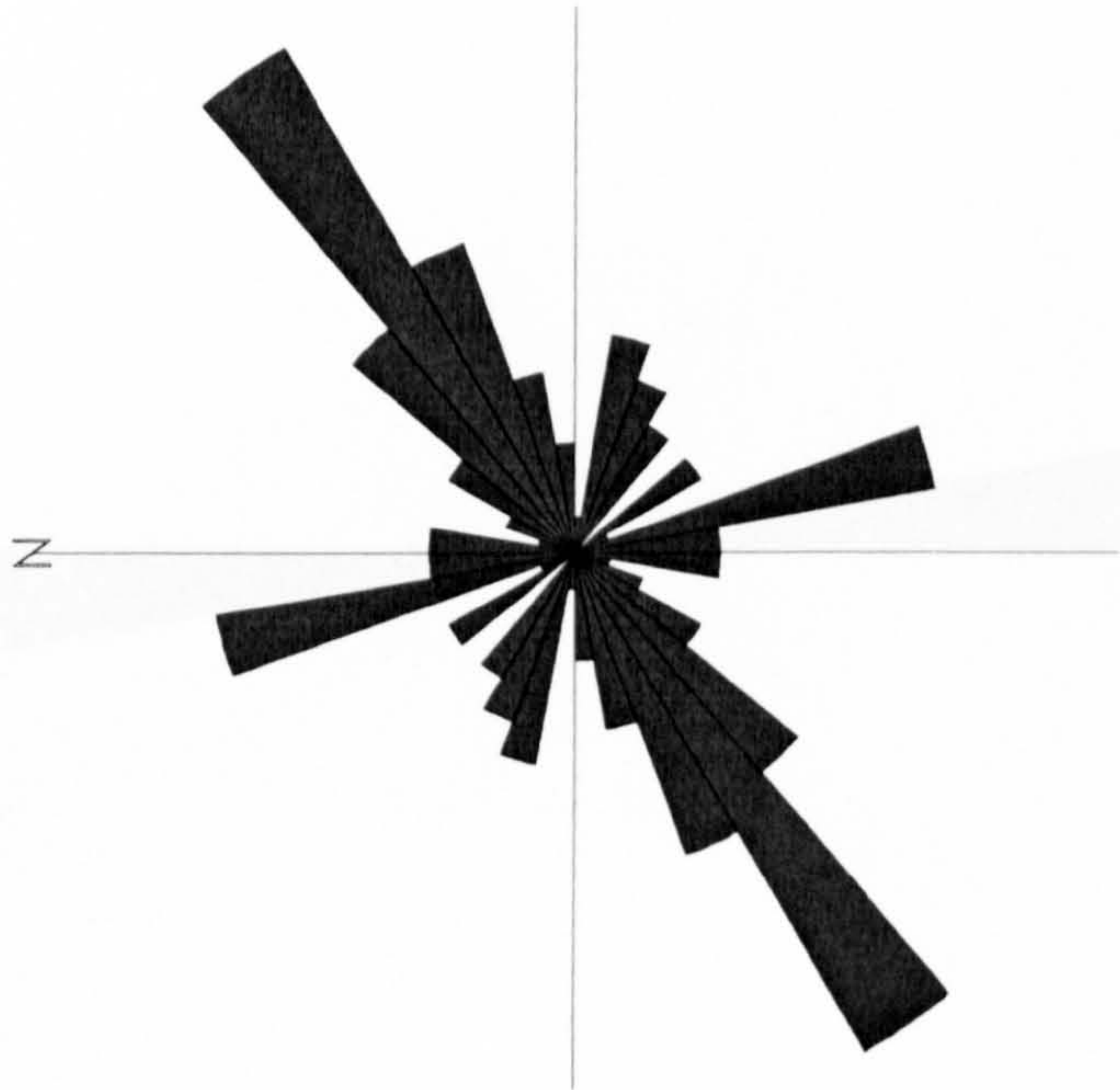
RCF3 SIT  
DEPTH RANGE FROM: 651.9 TO 653.5 METRES



Mean direction = 154.9    +-    11.2    Class 1  
NO OF DATA POINTS    3712

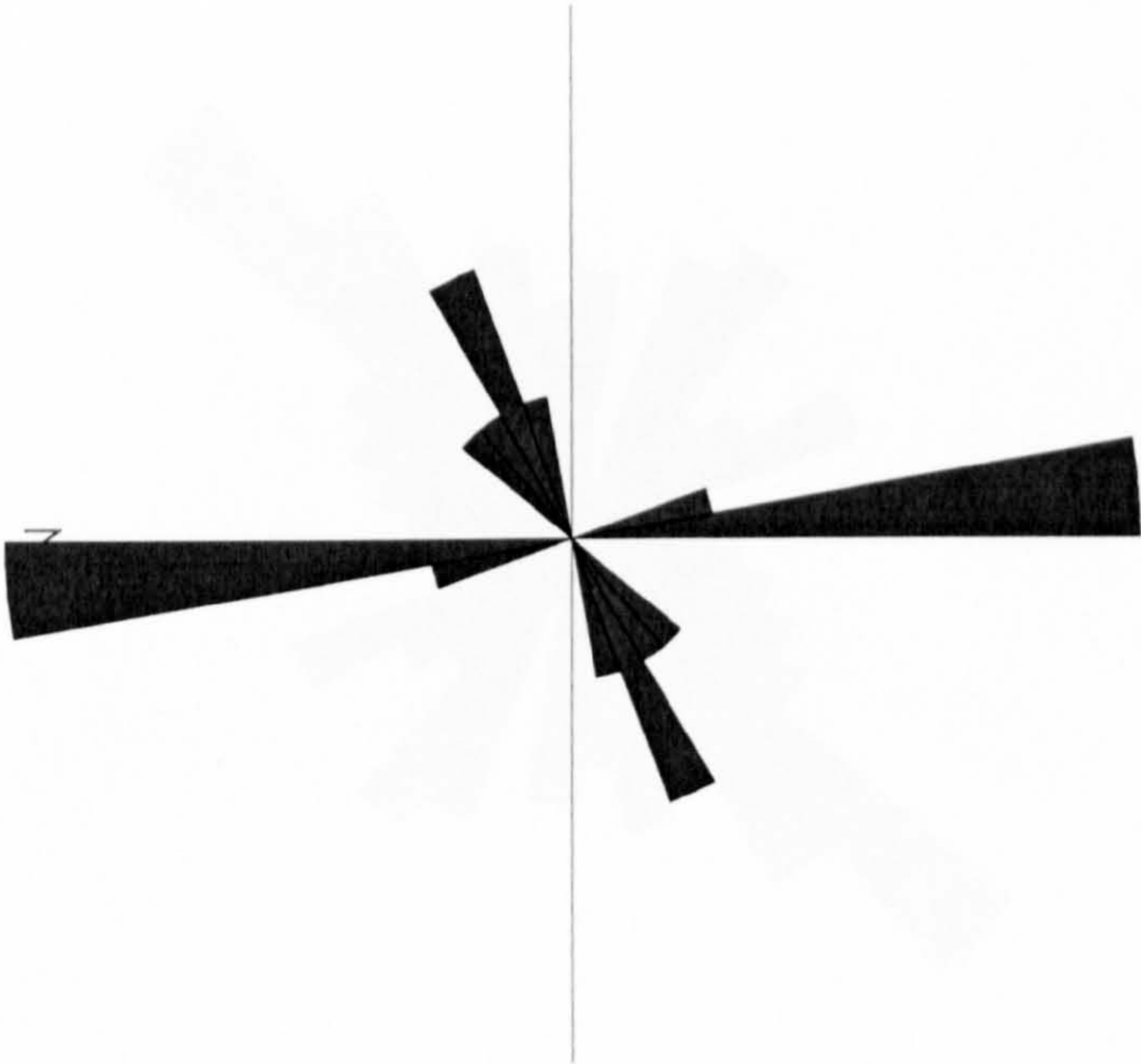


RCF3 SIT  
DEPTH RANGE FROM: 653.5 TO 669.0 METRES



Mean direction = 56.5 +- 16.5 Class 1  
NO OF DATA POINTS 3712

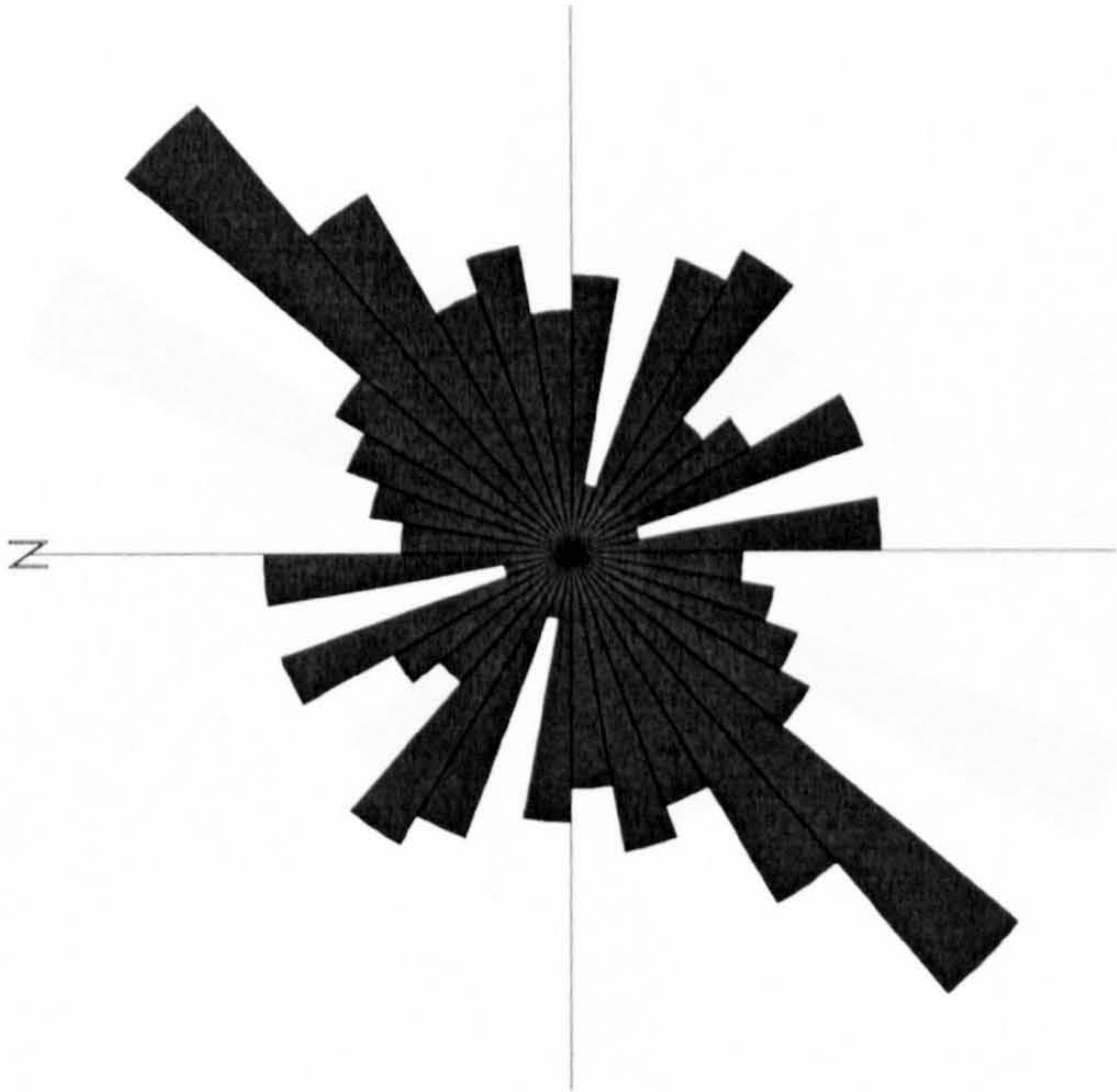
RCF3 SIT Zone  
DEPTH RANGE FROM: 669.0 TO 670.5 METRES



Mean direction = 172.2 +- 4.1 Class 1  
NO OF DATA POINTS 3712

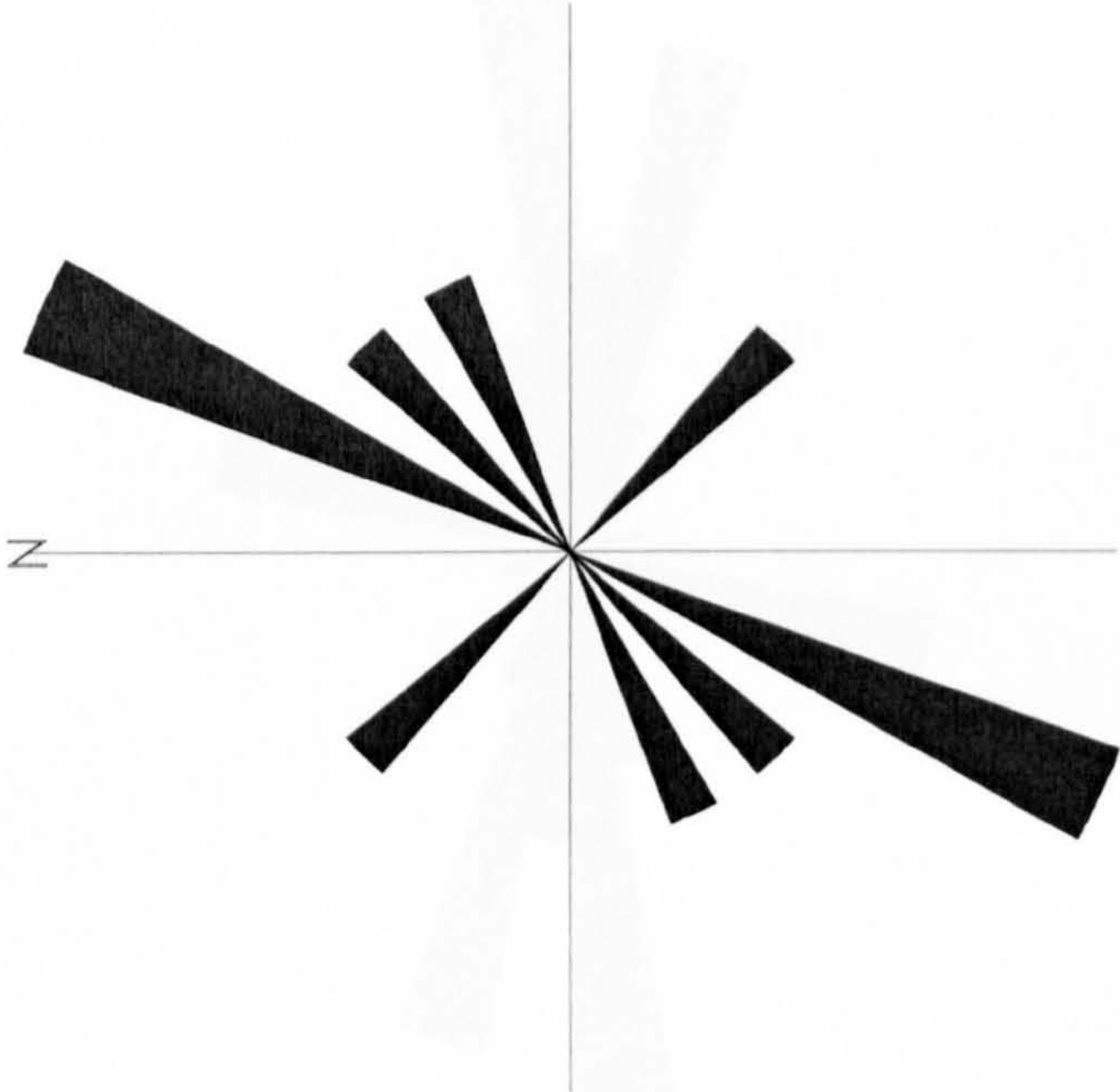


RCF3 SIT Zone  
DEPTH RANGE FROM: 670.5 TO 695.6 METRES



Mean direction = 47.9 +- 22.8  
NO OF DATA POINTS 3712 Class 3

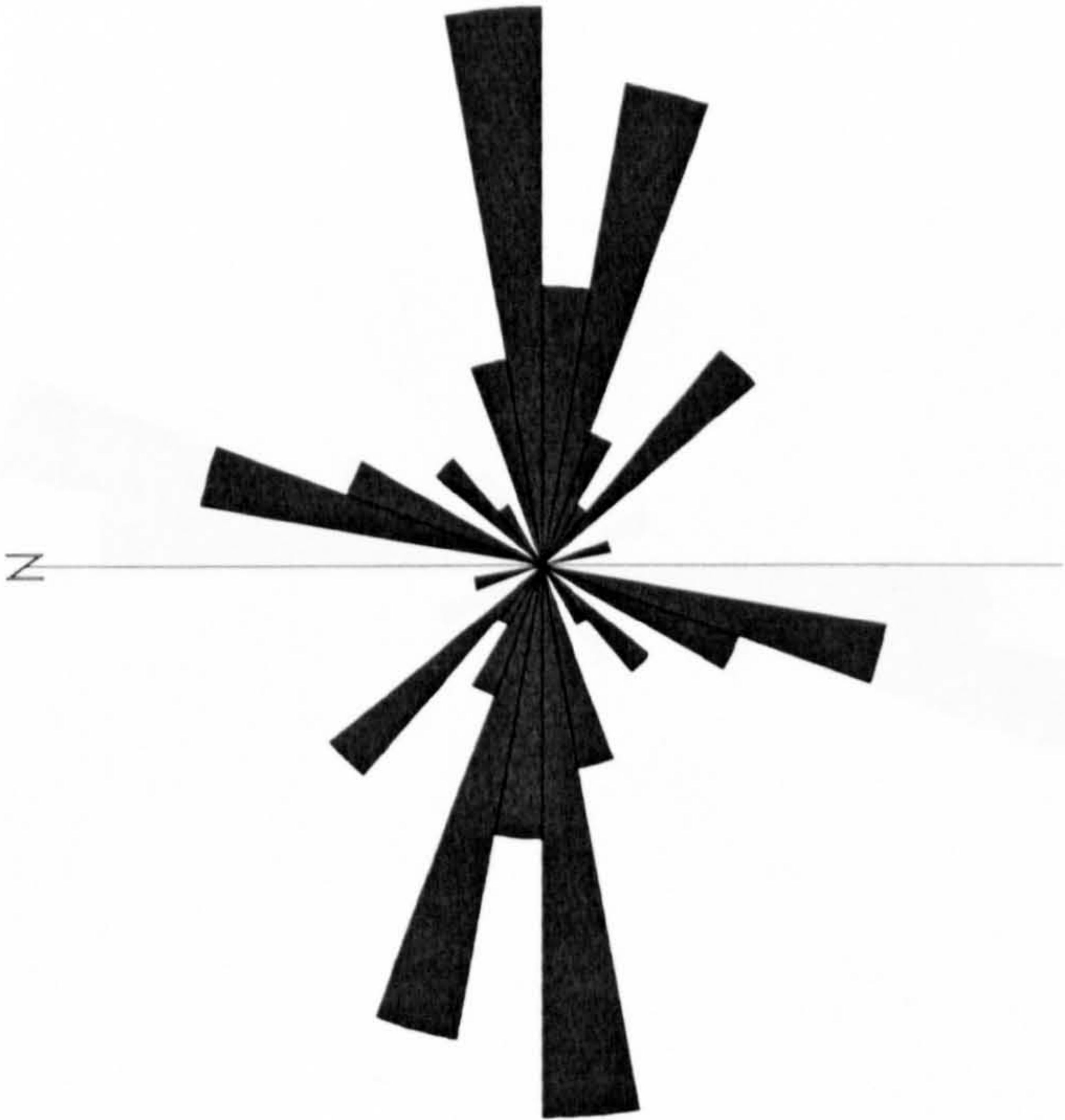
RCF3 SIT Zone  
DEPTH RANGE FROM: 695.6 TO 697.2 METRES



Mean direction = 37.6<sup>+ -</sup>  
NO OF DATA POINTS 3712  
Class 1

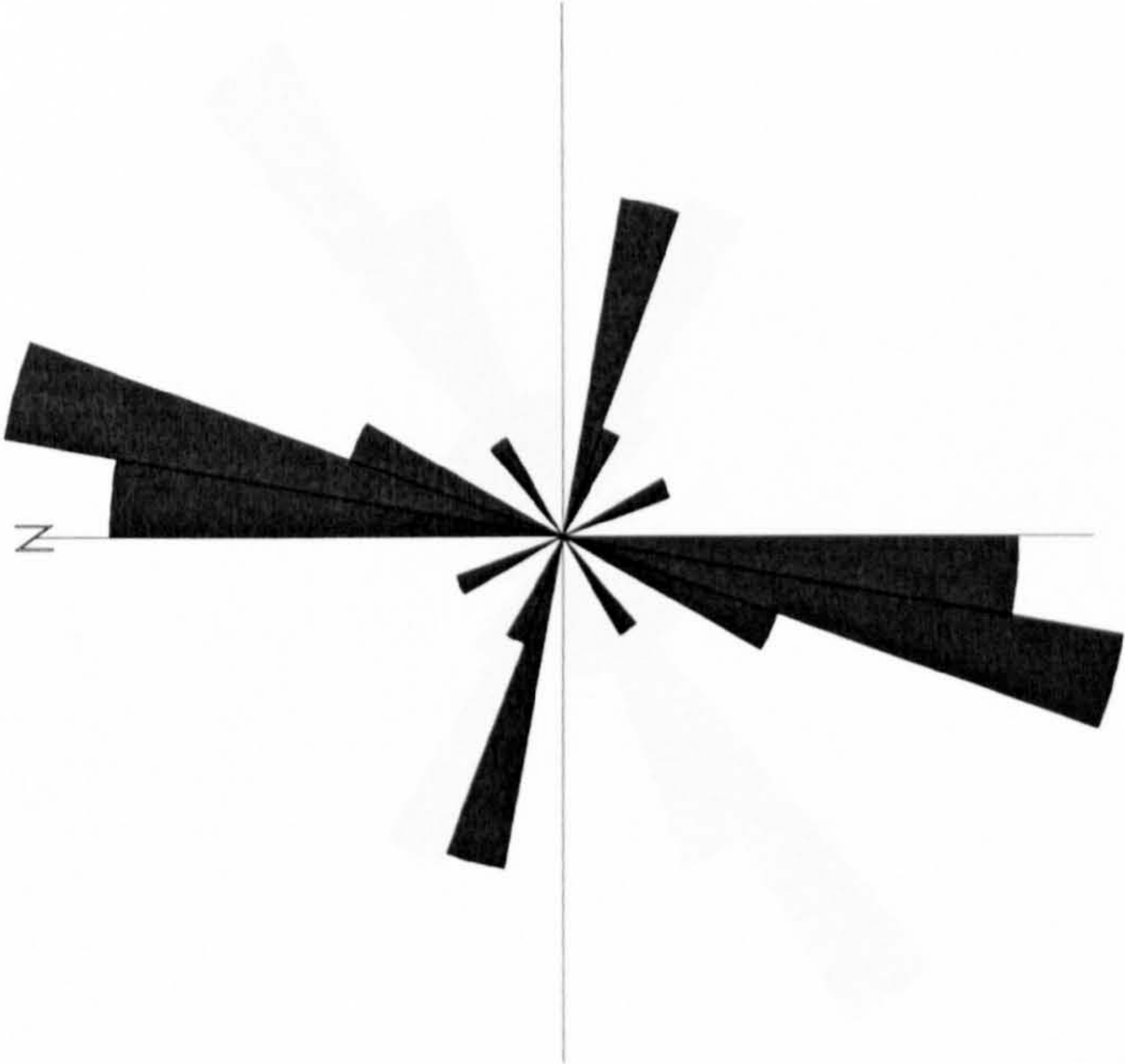


RCF3 SIT Zone  
DEPTH RANGE FROM: 697.2 TO 706.6 METRES



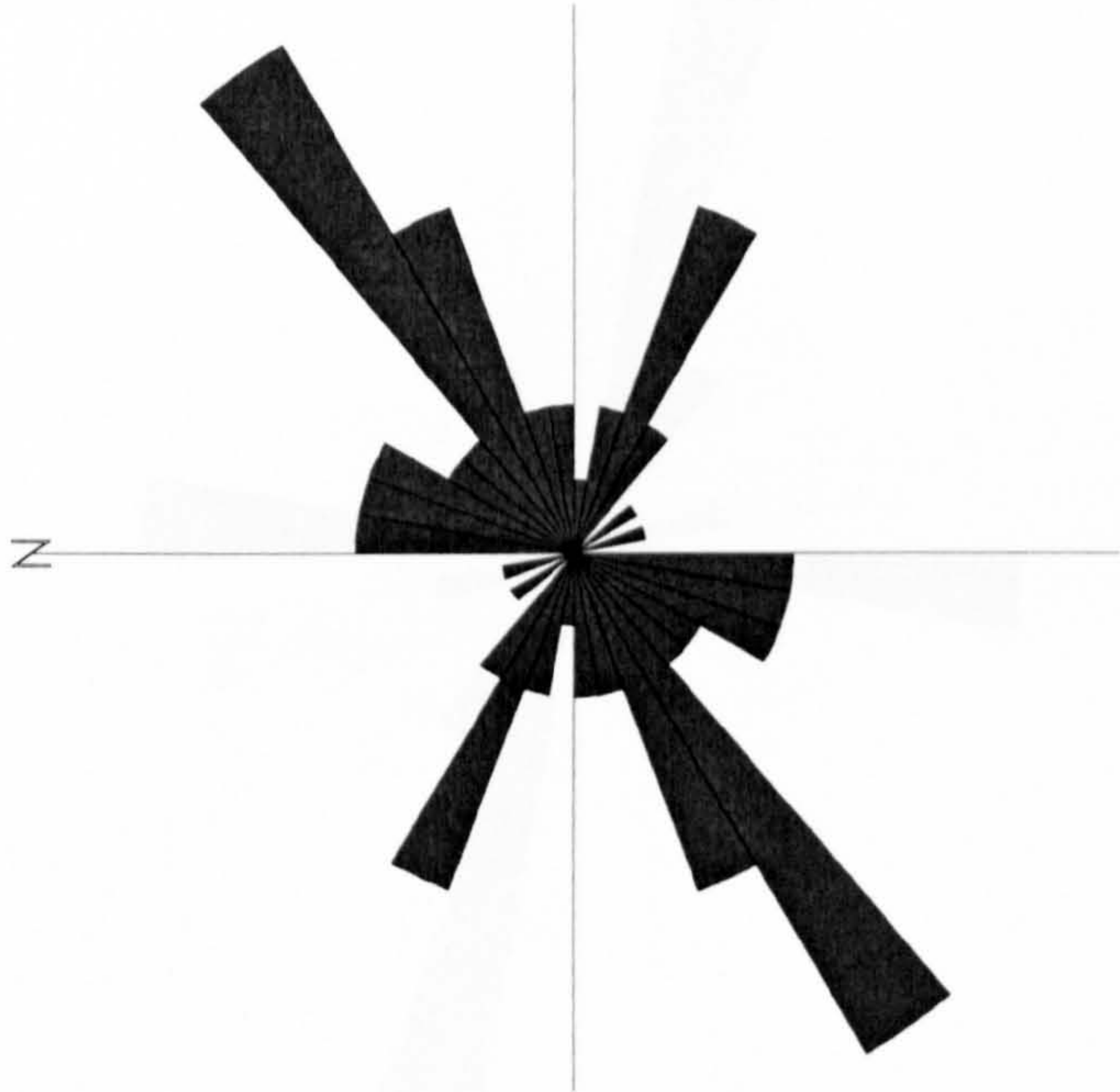
Mean direction = 90.5    +-    17.9    Class 1  
NO OF DATA POINTS    3712

RCF3 SIT Zone  
DEPTH RANGE FROM: 706.6 TO 709.7 METRES



Mean direction = 16.9 + - 14.5  
NO OF DATA POINTS 3712 Class 1

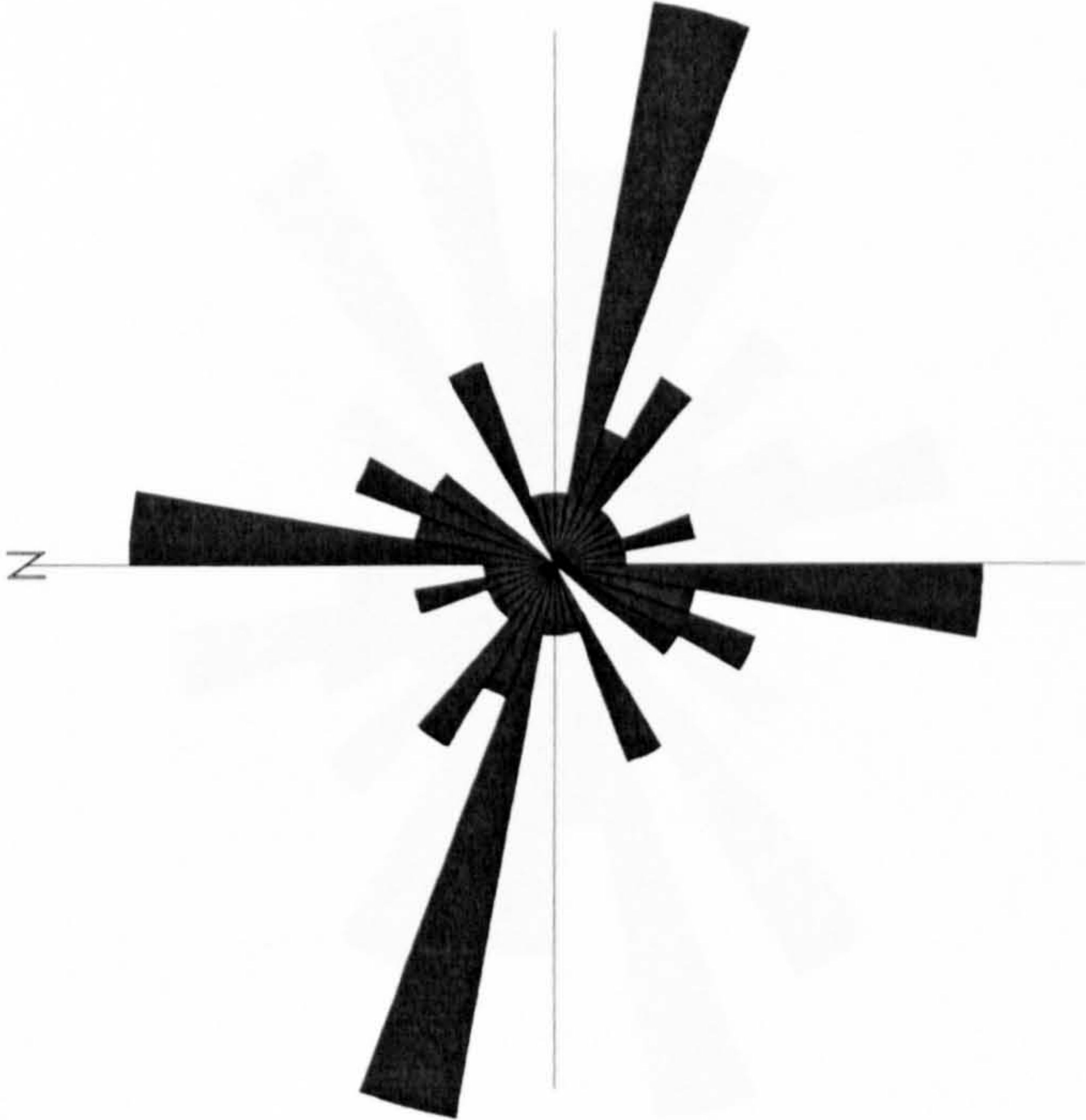
RCF3 SIT Zone  
DEPTH RANGE FROM: 709.7 TO 717.5 METRES



Mean direction = 52.8 +- 21.5  
NO OF DATA POINTS 3712 Class 3

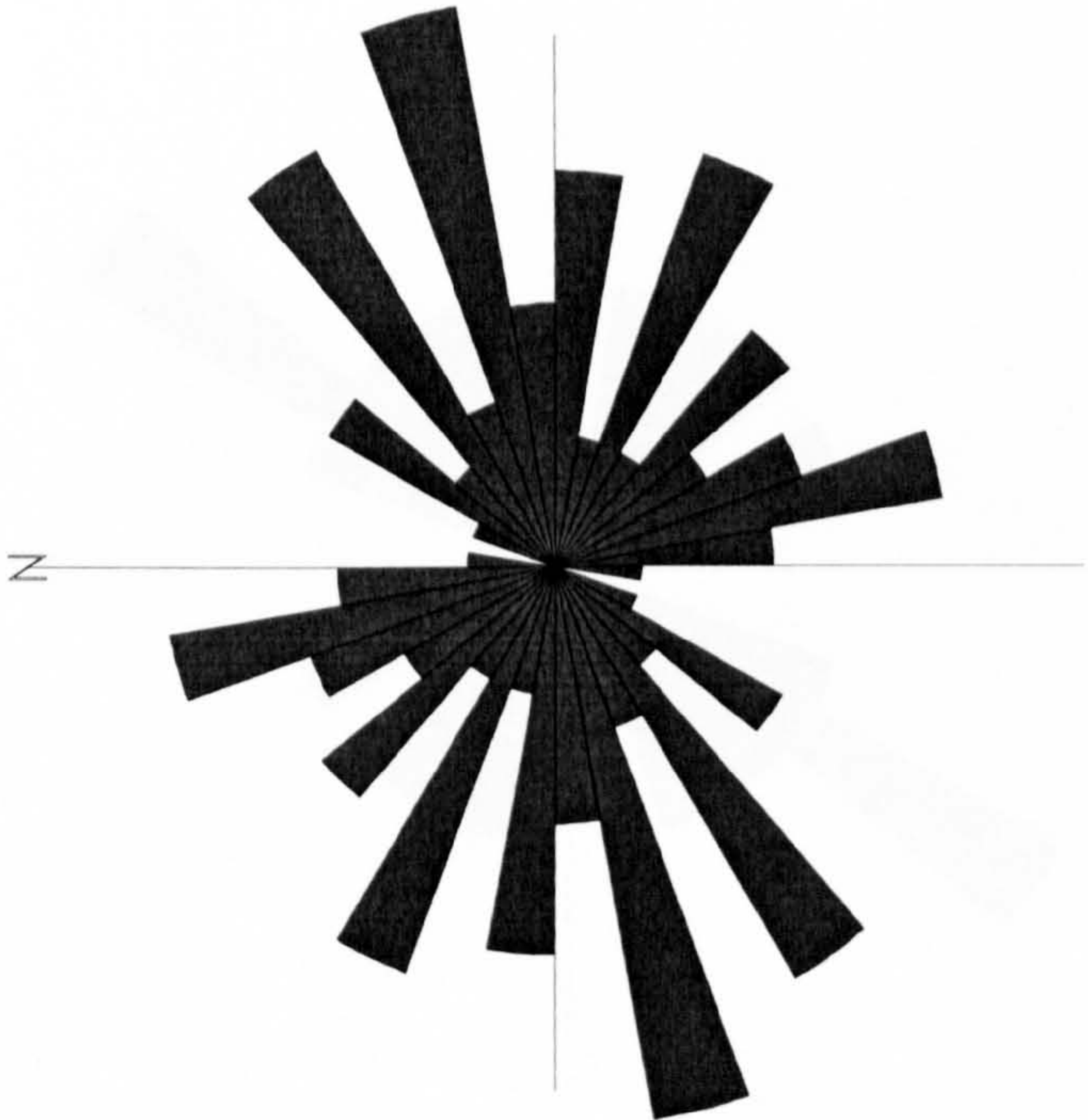


RCF3 SIT Zone  
DEPTH RANGE FROM: 717.5 TO 723.7 METRES



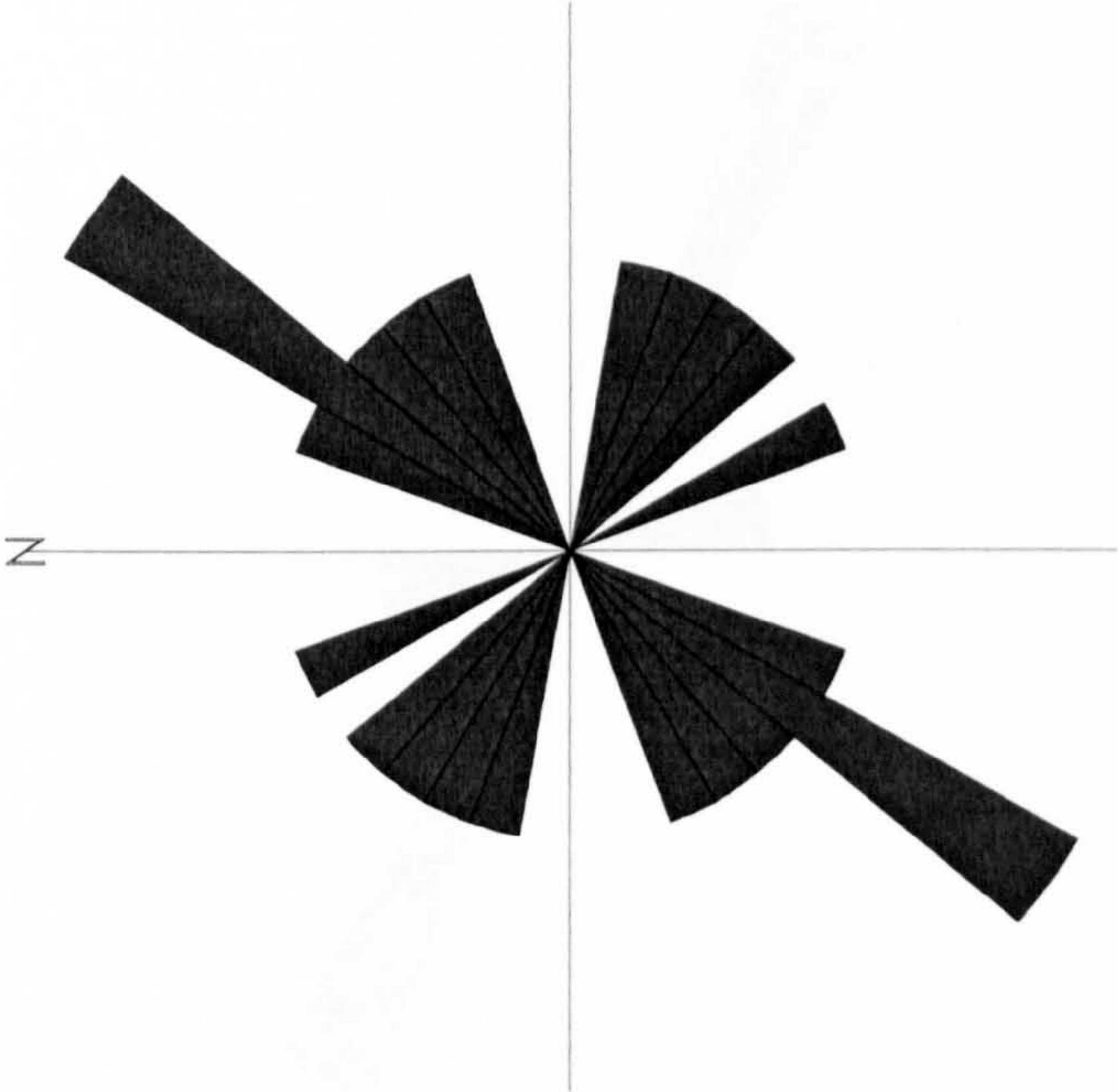
Mean direction = 103.6    +-    22.1    Class 3  
NO OF DATA POINTS    3712

RCF3 SIT Zone  
DEPTH RANGE FROM: 723.7 TO 754.9 METRES



Mean direction = 76.9    +-    25.1    Class 3  
NO OF DATA POINTS    3712

RCF3 SIT Zone  
DEPTH RANGE FROM: 754.9 TO 758.0 METRES

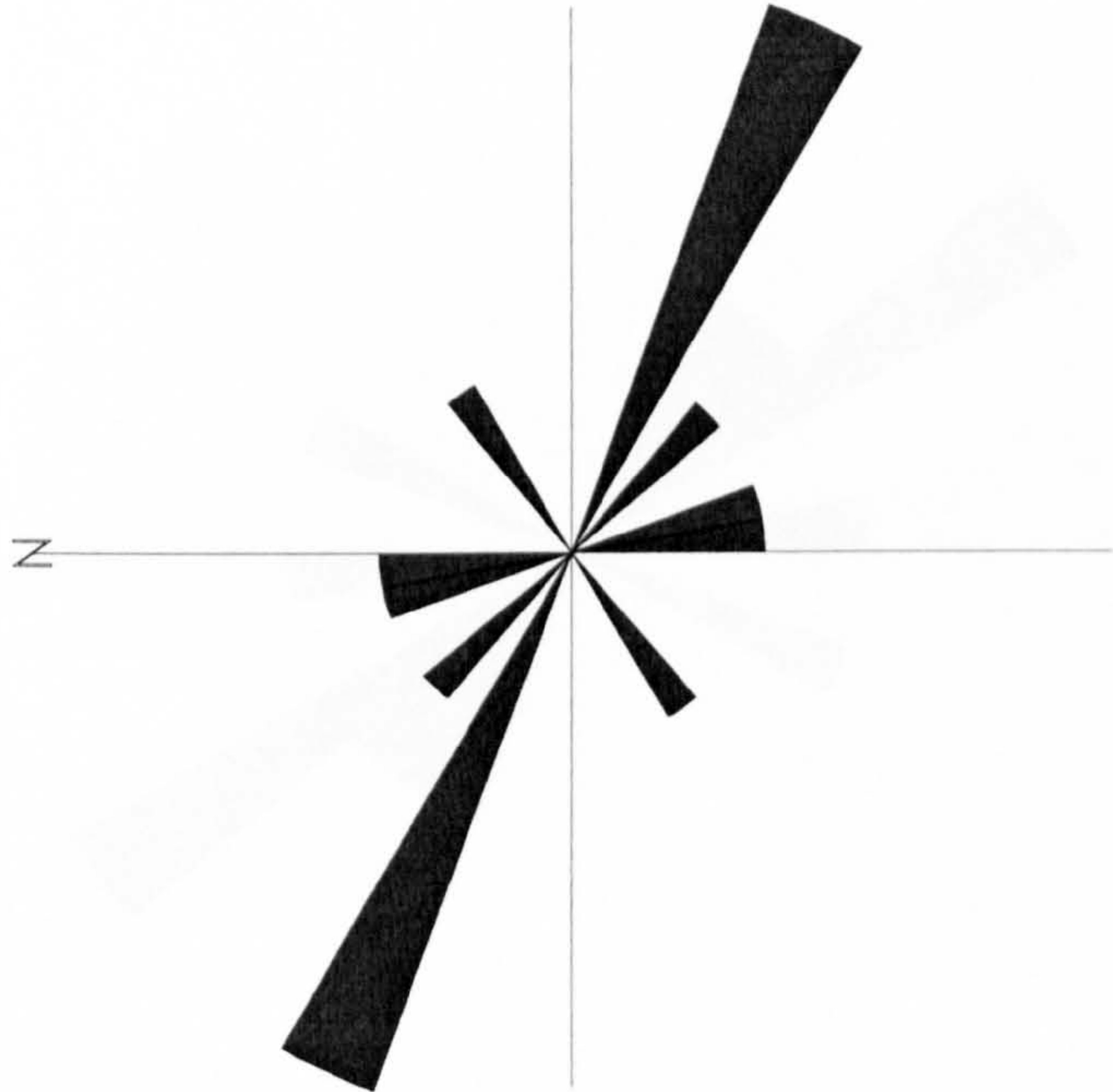


Mean direction = 43.1    +-    13.0    Class 1  
NO OF DATA POINTS    3712



RCF3 SIT Zone

DEPTH RANGE FROM: 758.0 TO 759.5 METRES

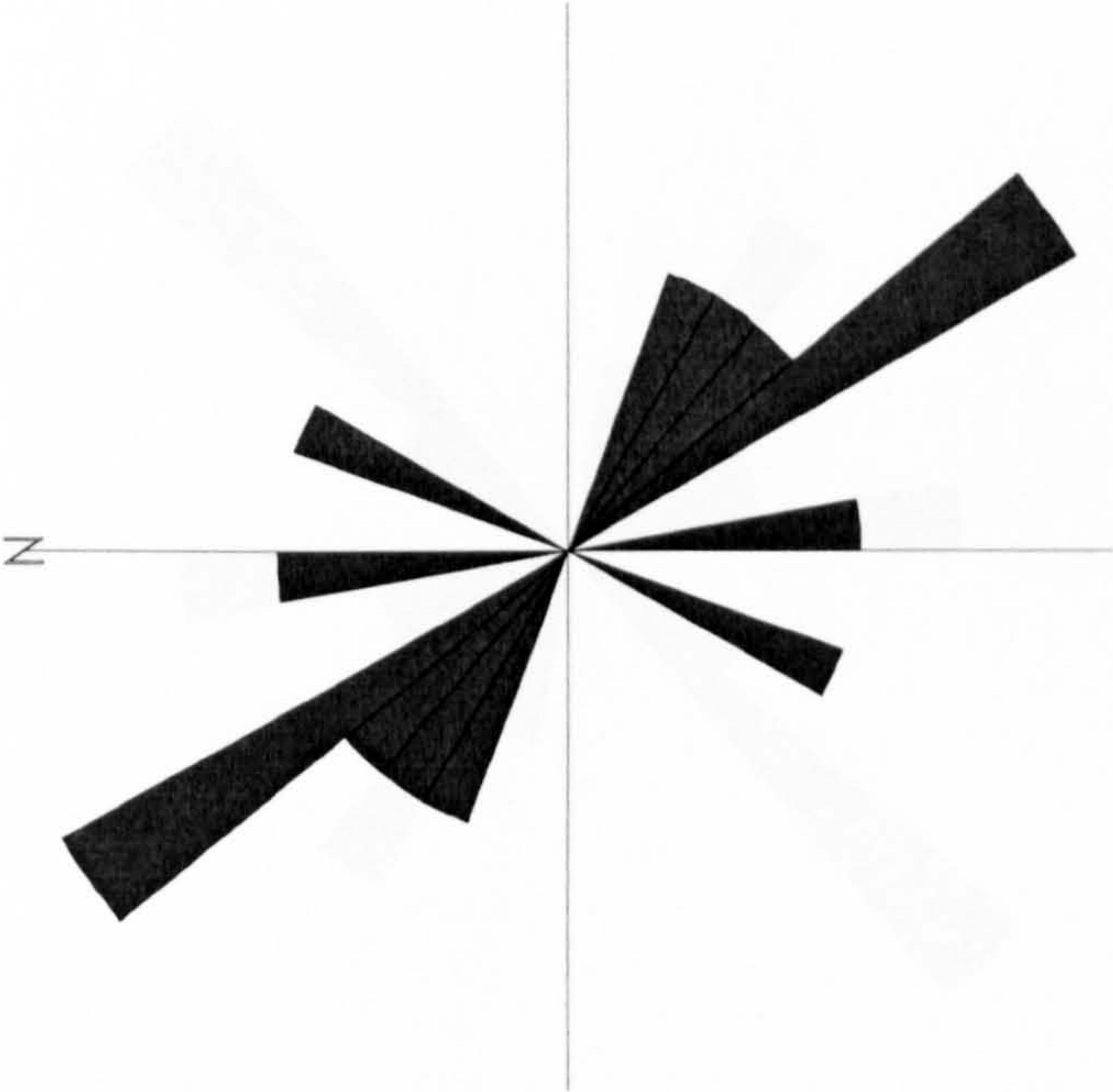


Mean direction = 121.5 +- 8.8

NO OF DATA POINTS 3712

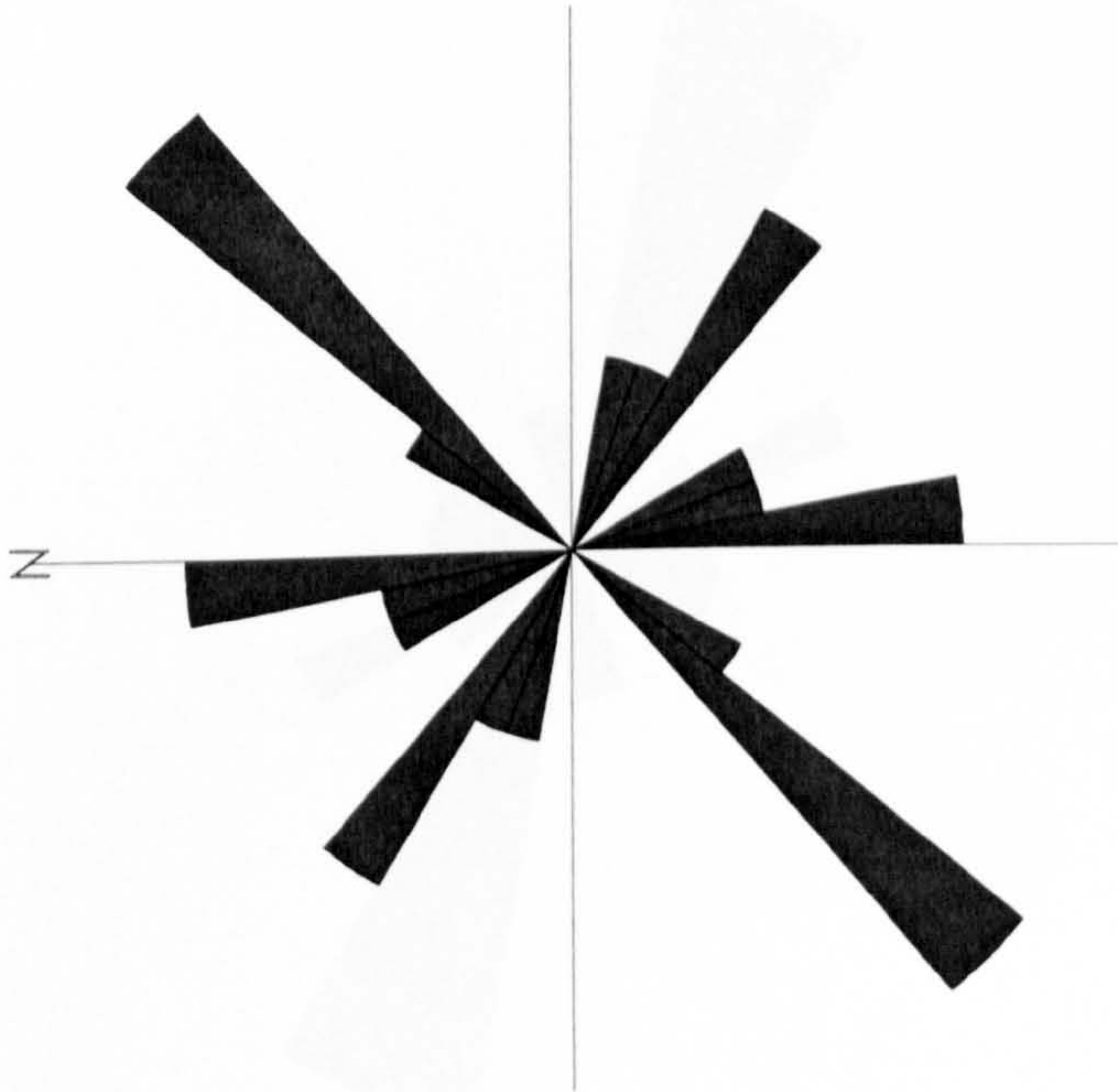
Class 1

RCF3 SIT Zone  
DEPTH RANGE FROM: 759.5 TO 761.1 METRES



Mean direction = 139.3    +-    17.0    Class 1  
NO OF DATA POINTS    3712

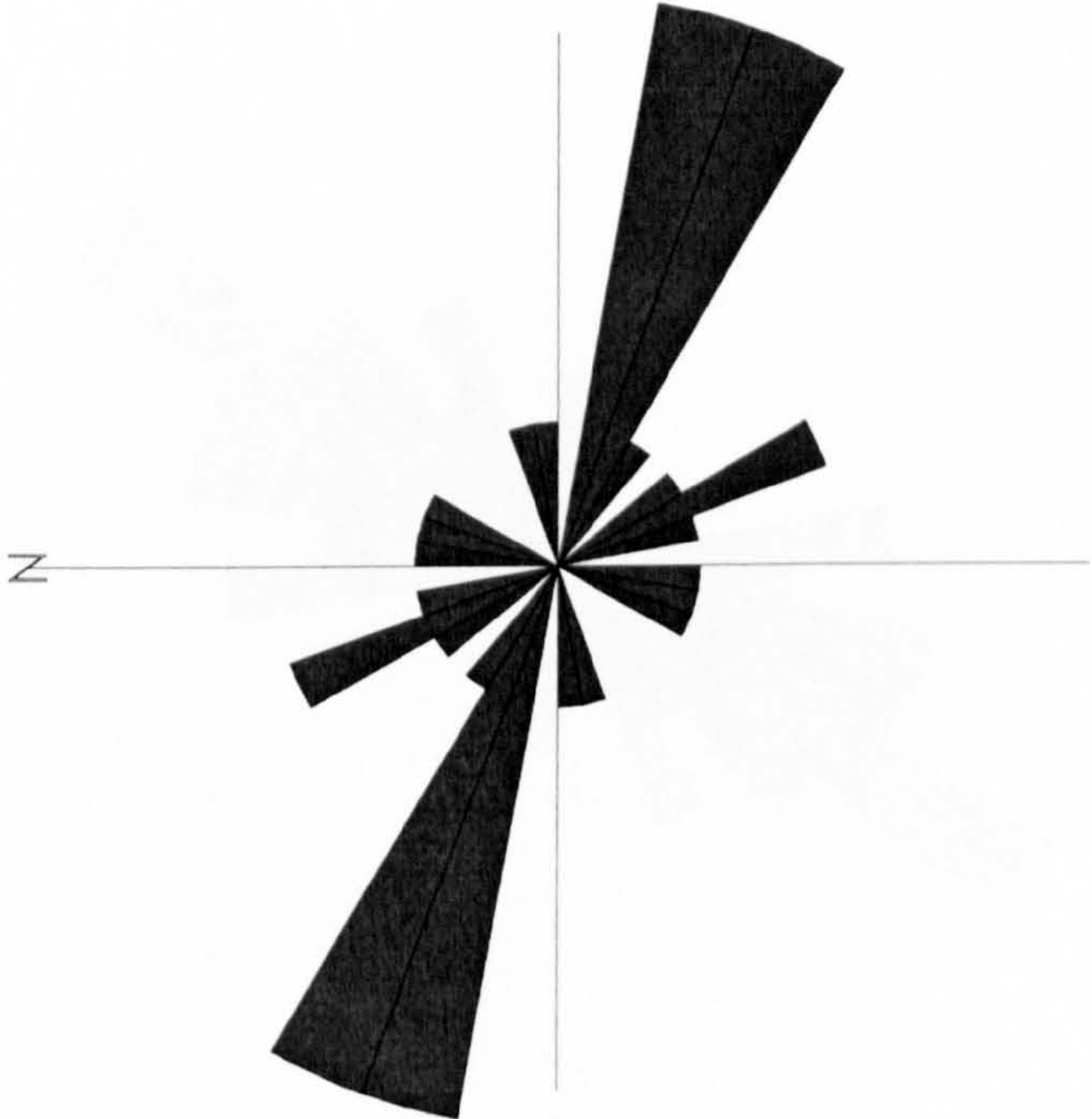
RCF3 SIT Zone  
DEPTH RANGE FROM: 761.1 TO 764.3 METRES



Mean direction = 40.6 +- 3.6  
NO OF DATA POINTS 3712 Class 1

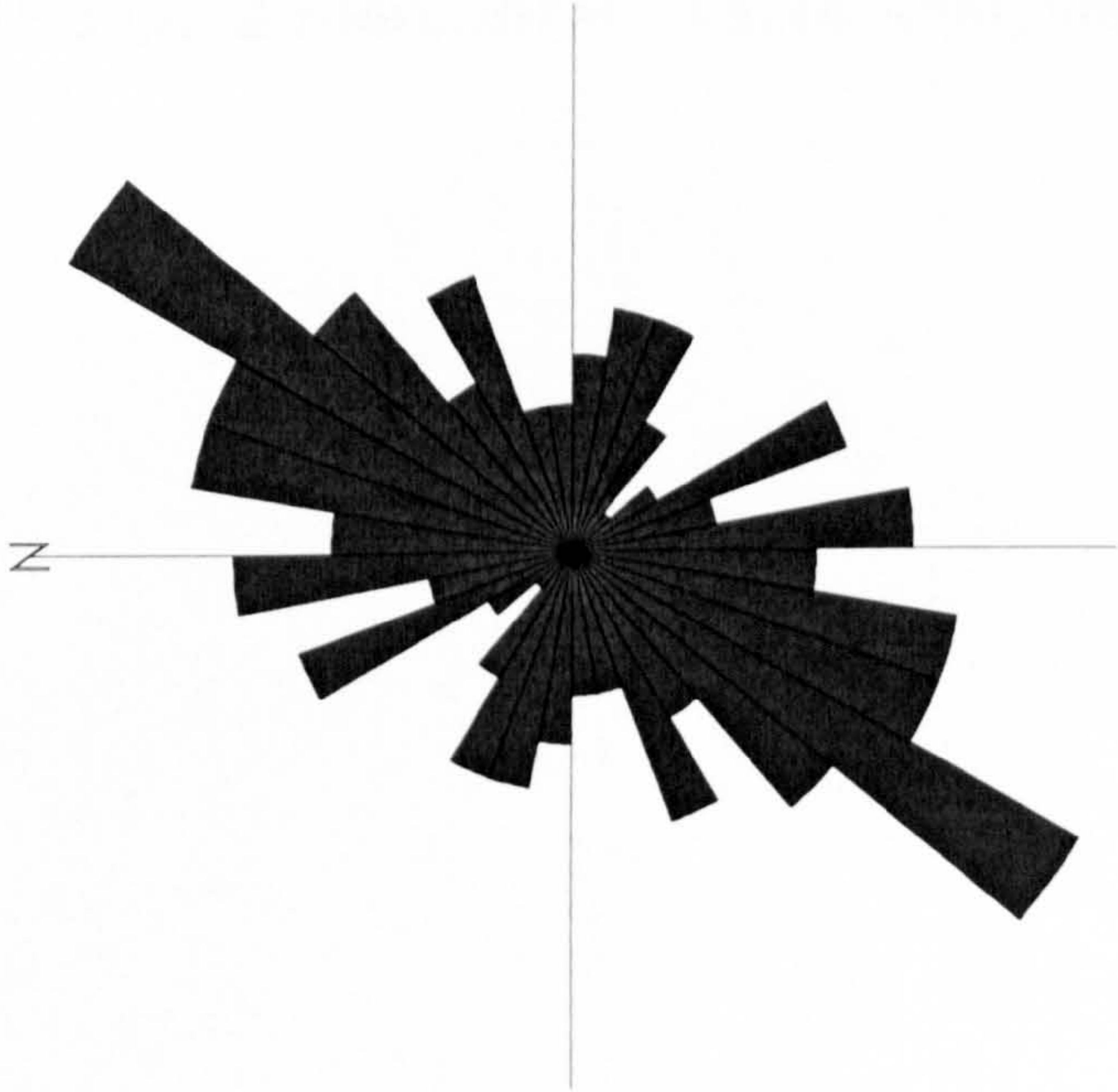


RCF3 SIT Zone  
DEPTH RANGE FROM: 764.3 TO 767.4 METRES



Mean direction = 109.4    +-    16.5    Class 1  
NO OF DATA POINTS    3712

RCF3 SIT Zone  
DEPTH RANGE FROM: 767.4 TO 790.0 METRES



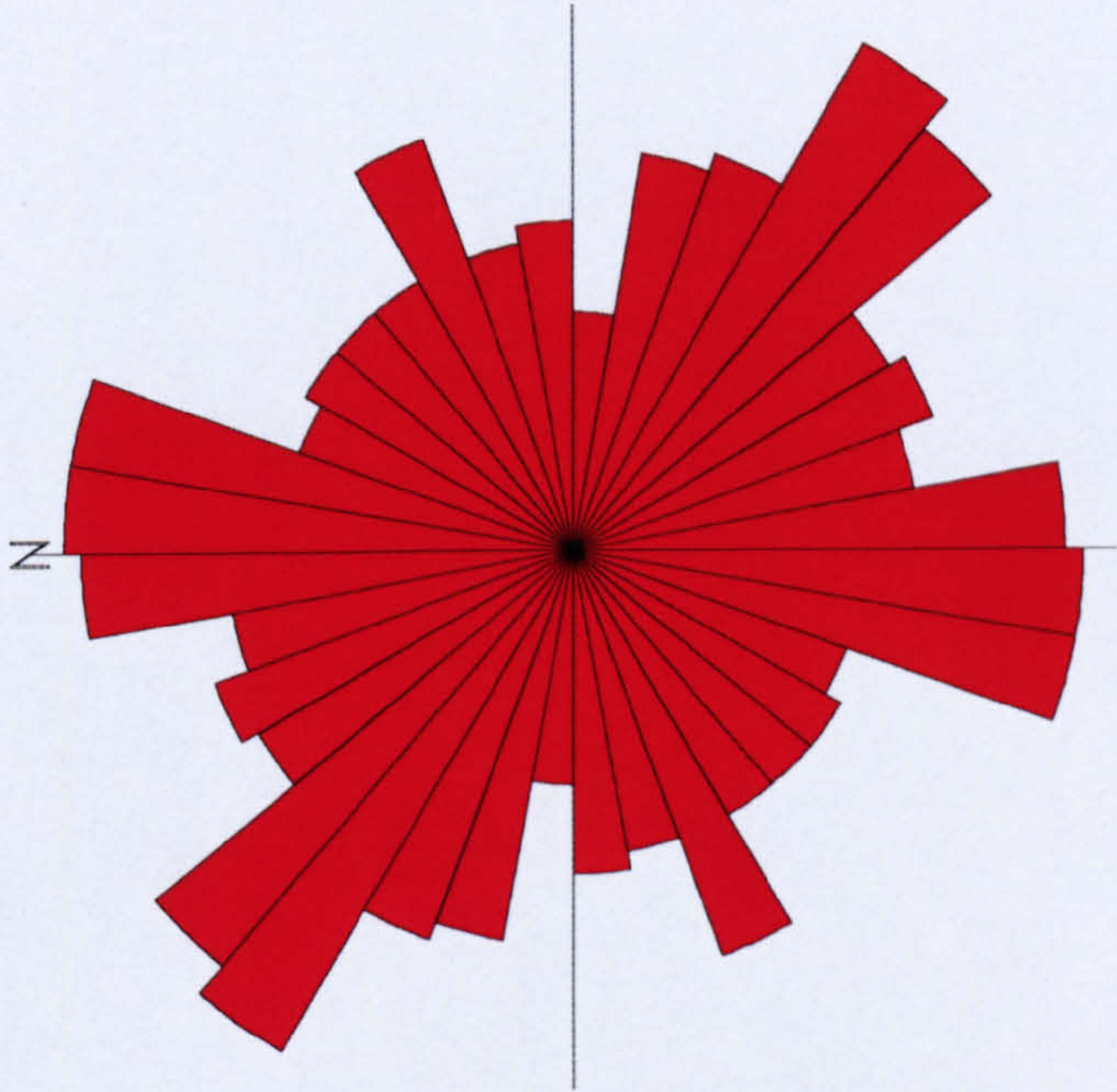
Mean direction = 36.0 +- 20.3 Class 3  
NO OF DATA POINTS 3712

## **Appendix 9**

### **Discontinuity Roses & Stereonets - Tools Analysis**



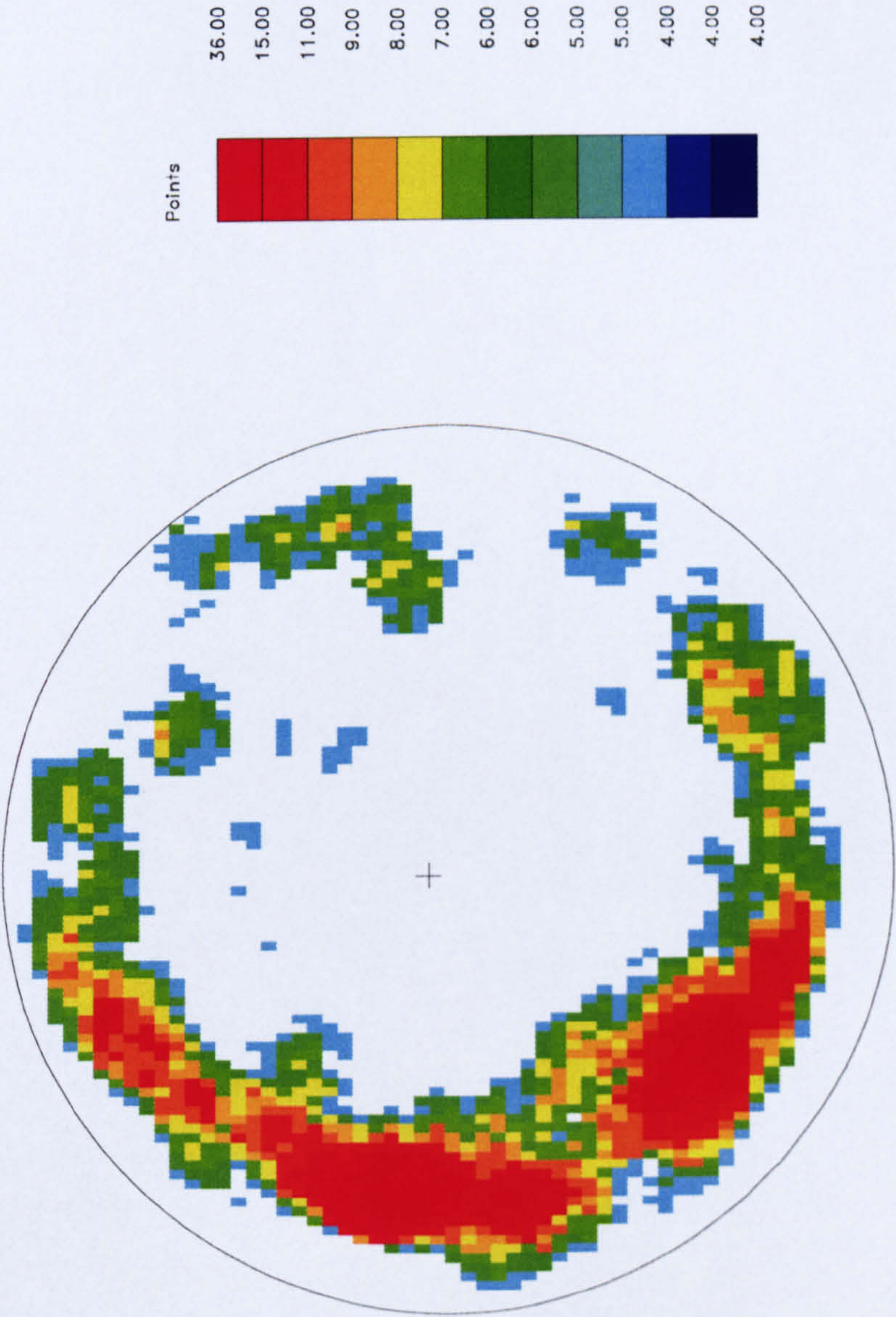
RCF3 amwf data  
DEPTH RANGE FROM: 630.7 TO 789.9 METRES



Mean direction = 126.7 +- 24.1  
NO OF DATA POINTS 390  
Class 3



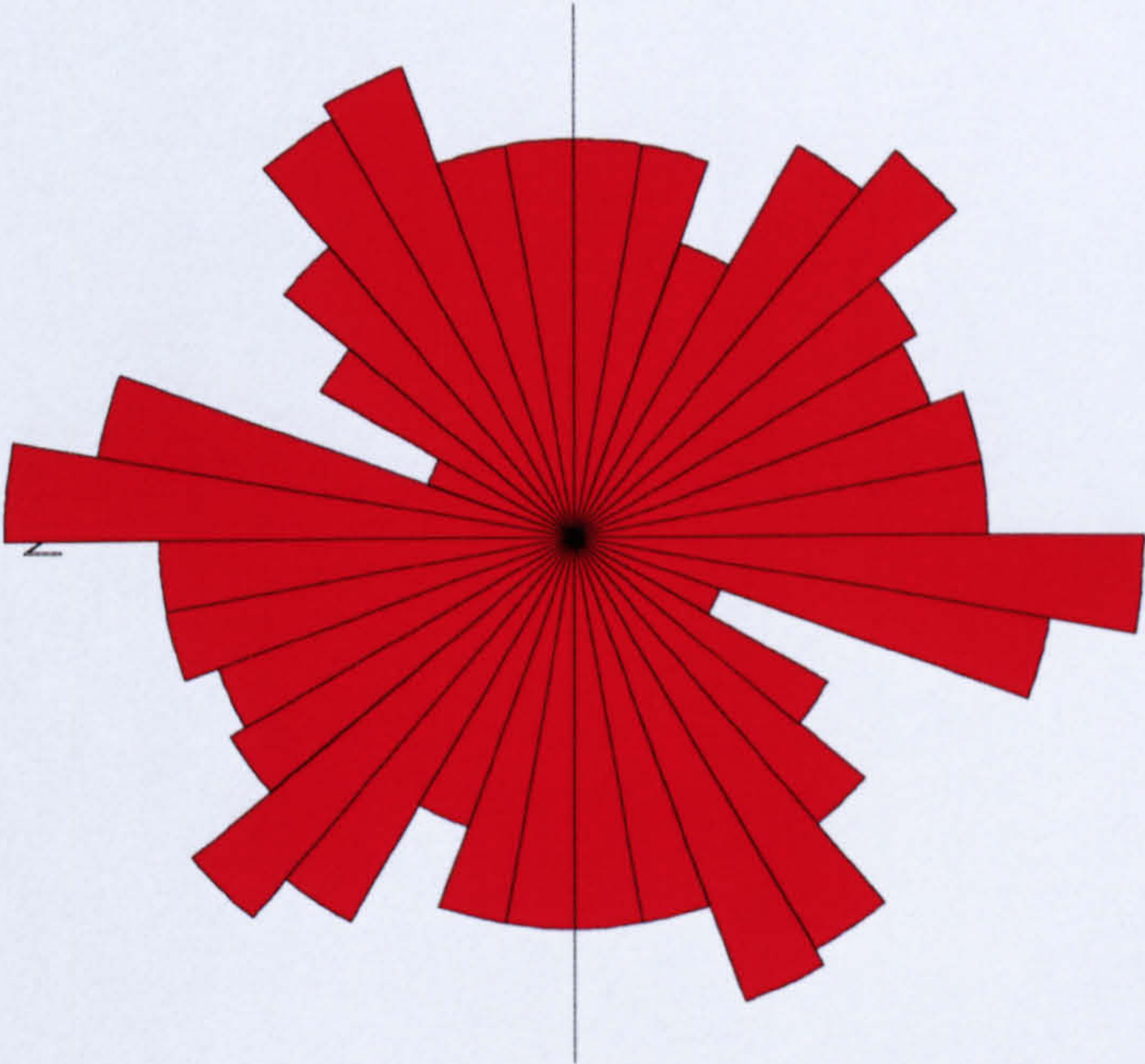
EQUAL AREA DENSITY PLOT  
RCF3 amwf data



390 points selected  
Depth from 630.74 to 789.94



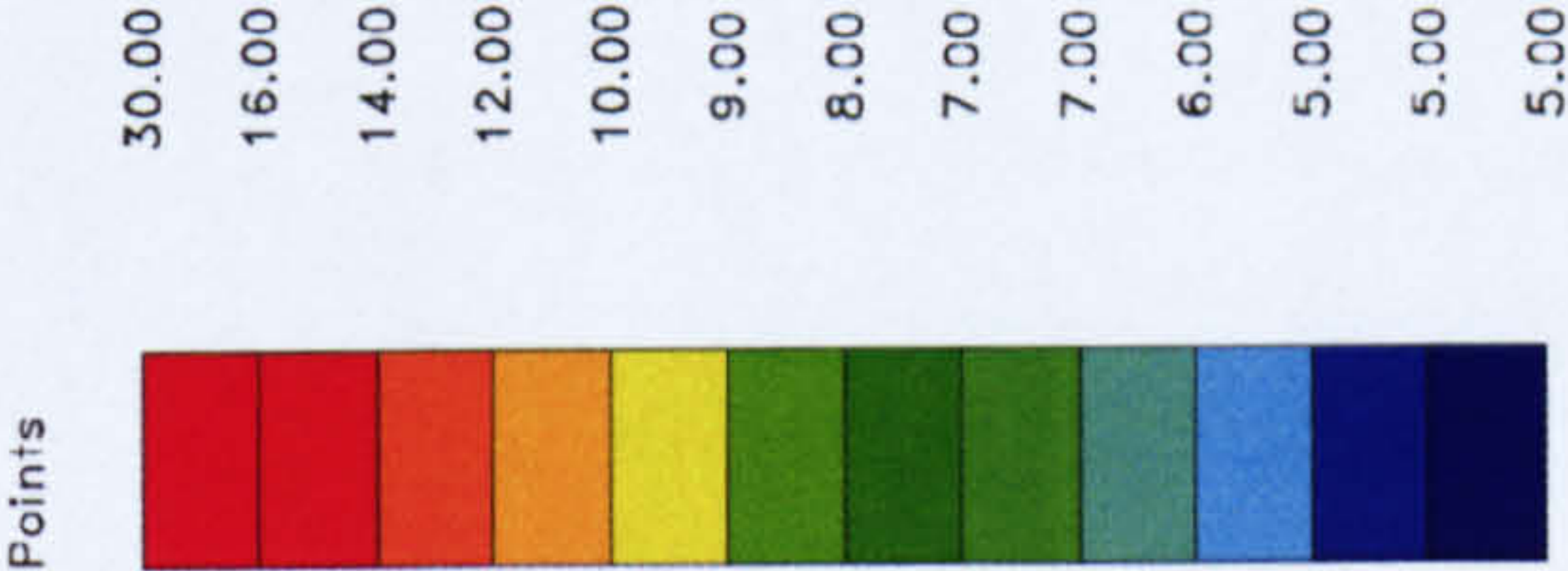
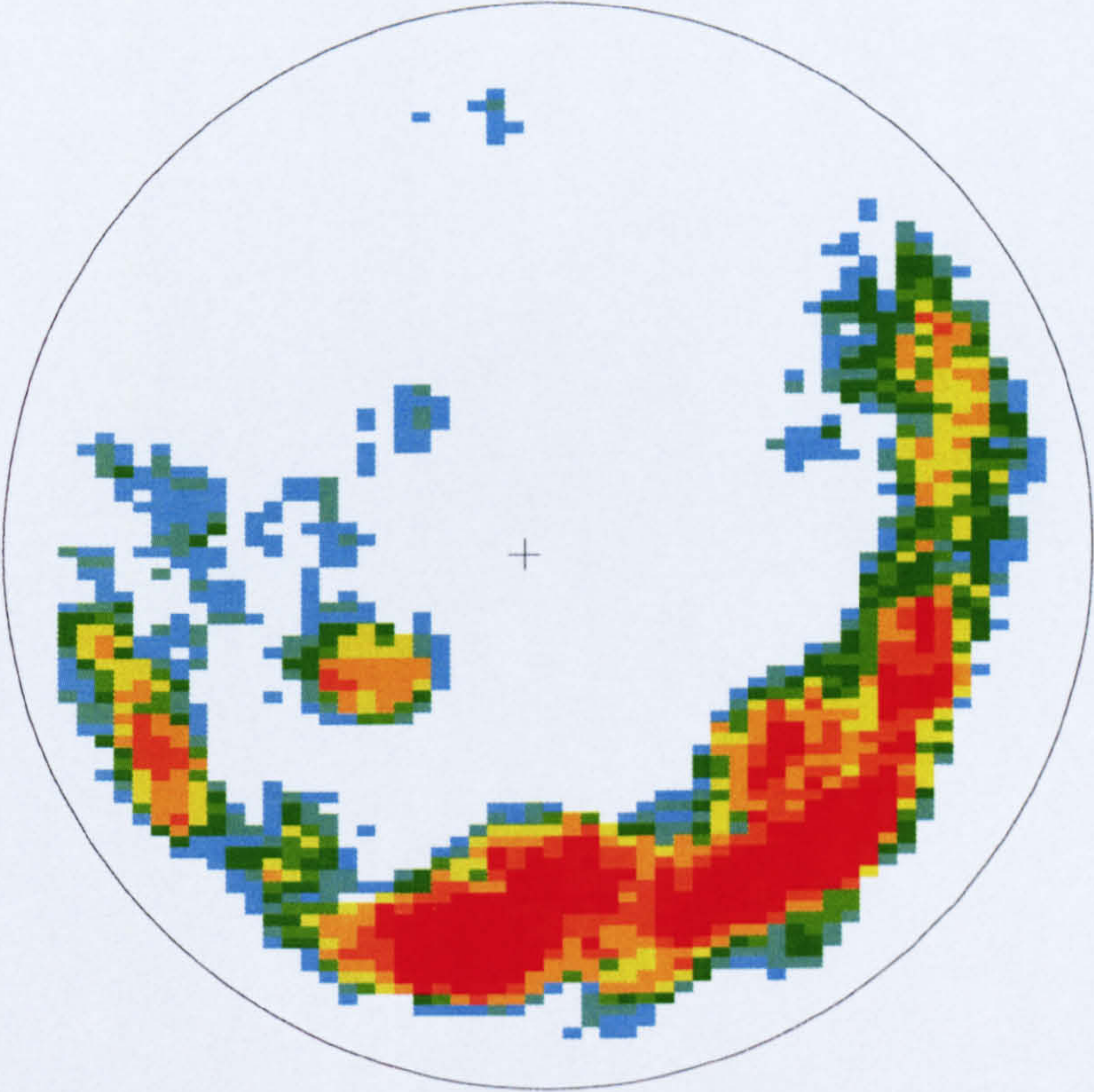
RCF3 ttwf data  
DEPTH RANGE FROM: 630.6 TO 790.9 METRES



Mean direction = 21.7    +-    15.5    Class 1  
NO OF DATA POINTS    425



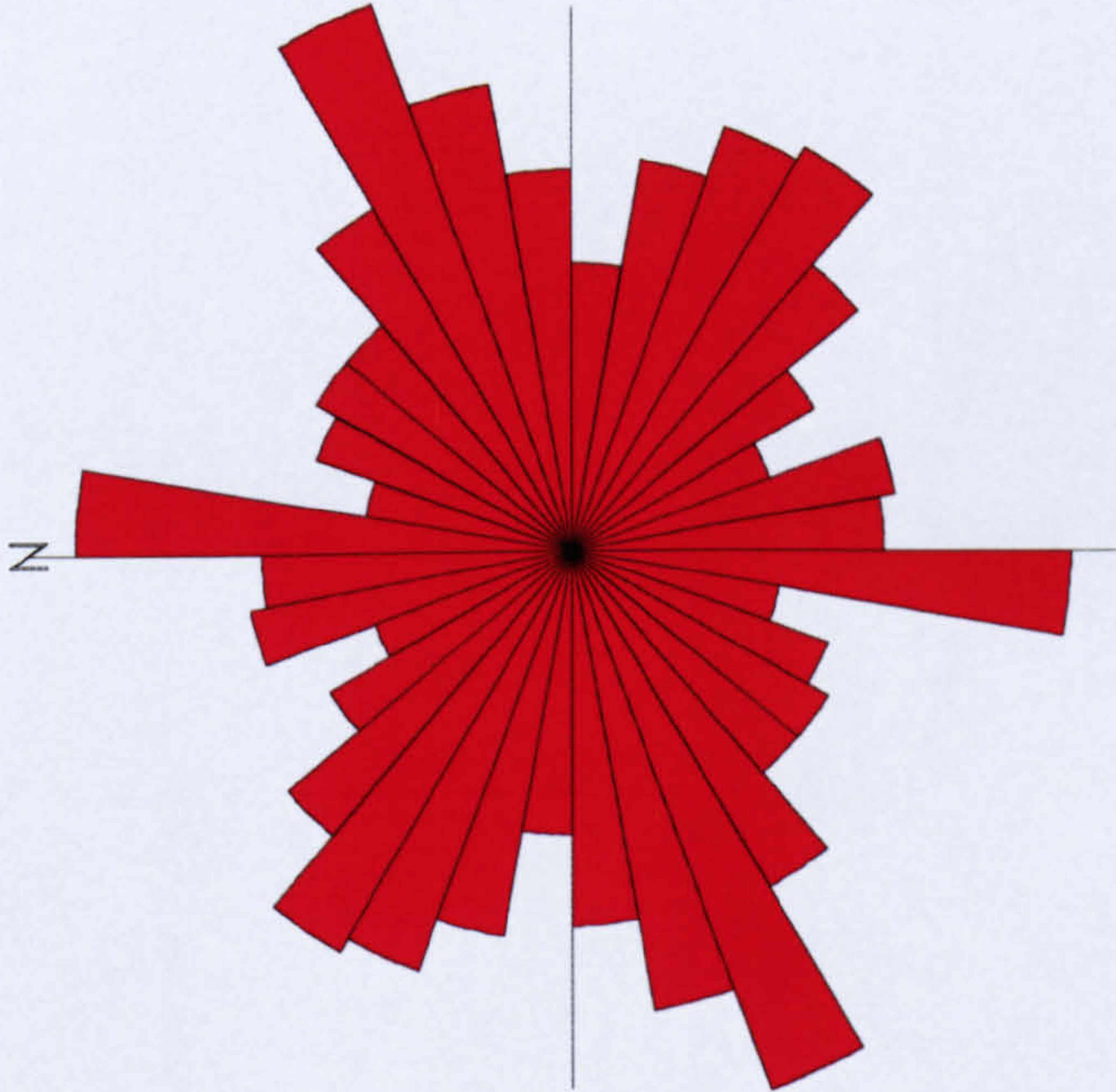
EQUAL AREA DENSITY PLOT  
RCF3 ttwf data



425 points selected  
Depth from 630.57 to 790.95



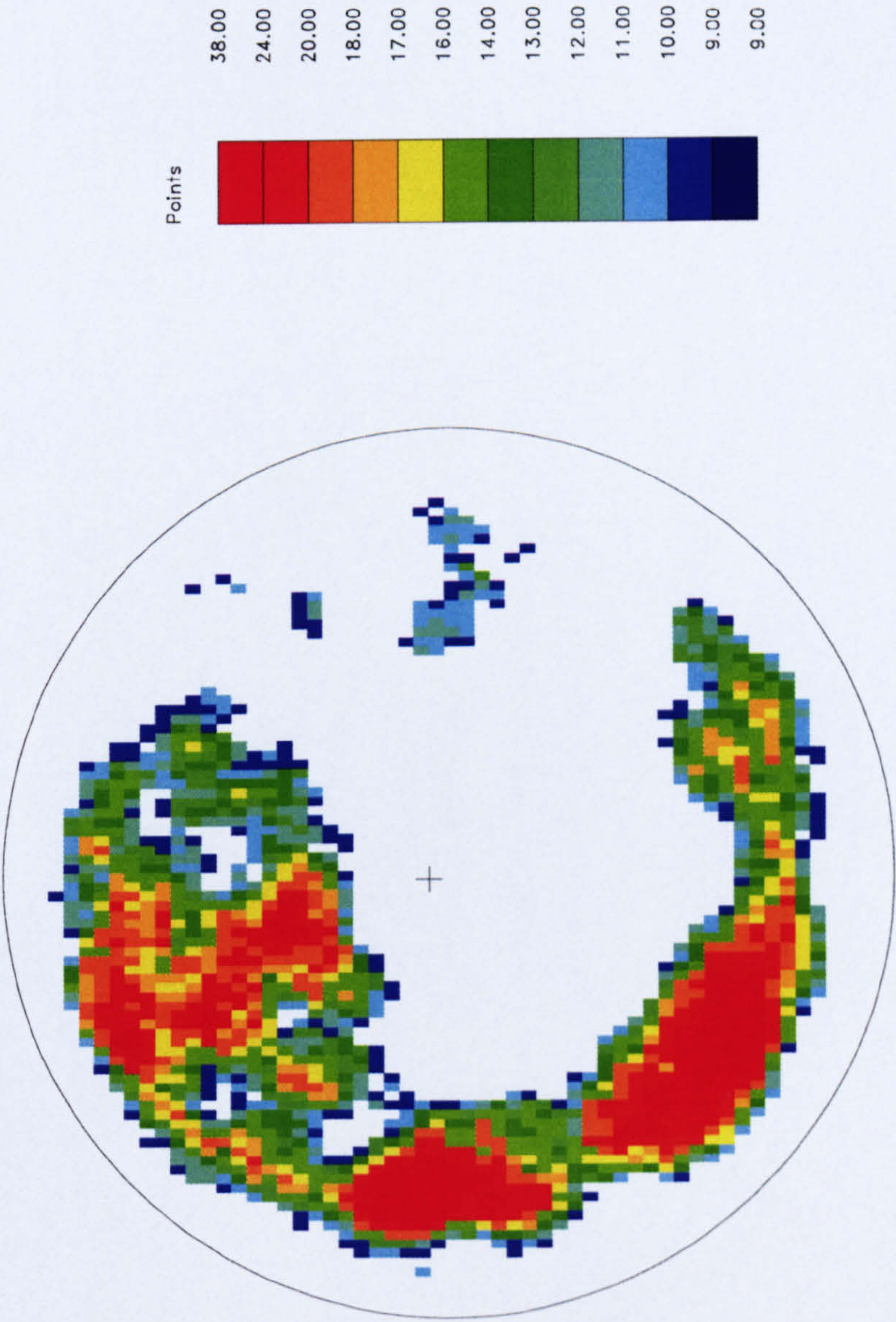
RCF3 fmi data  
DEPTH RANGE FROM: 630.6 TO 789.9 METRES



Mean direction = 67.0    +-    24.3    Class 3  
NO OF DATA POINTS    838

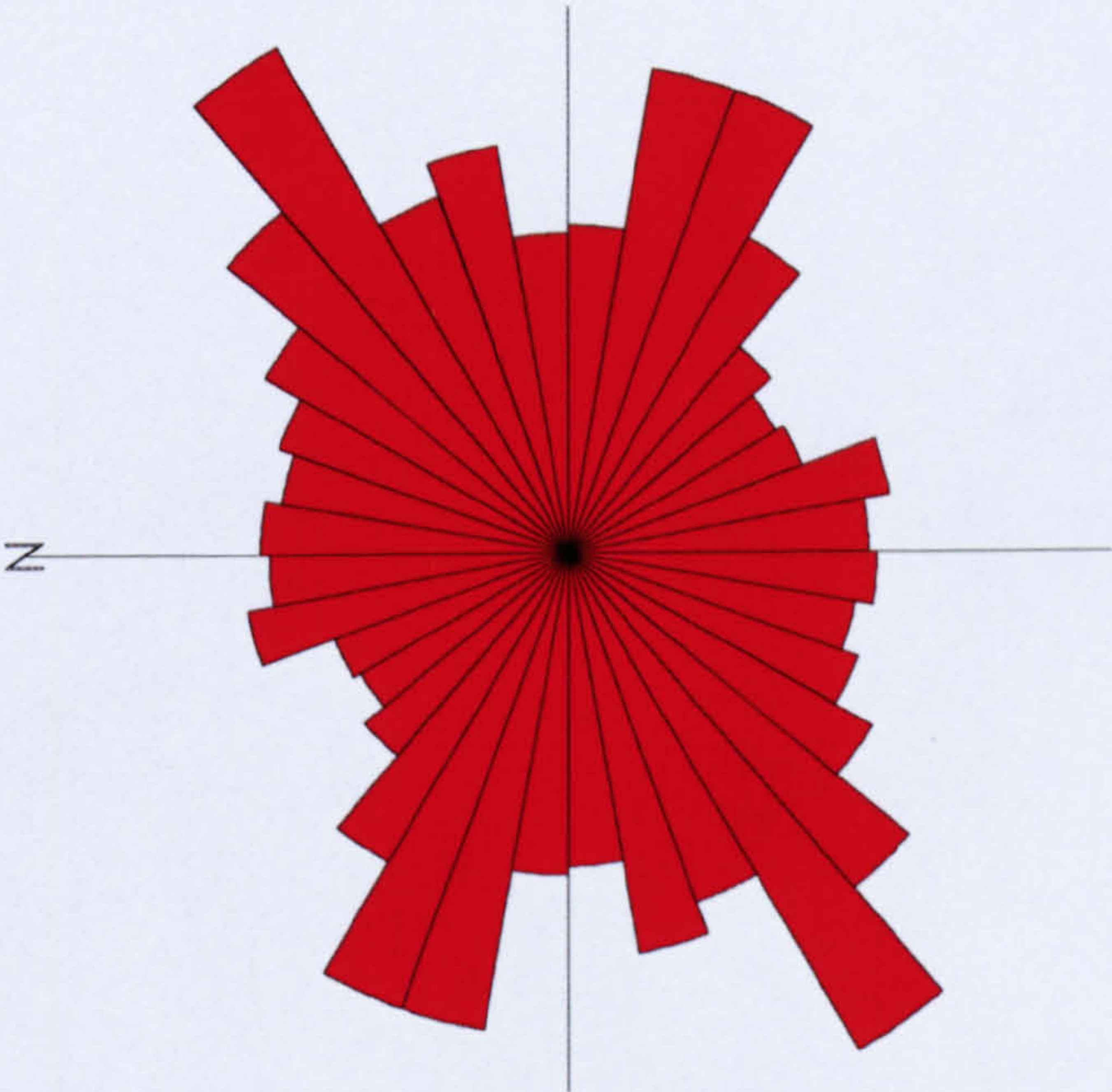


EQUAL AREA DENSITY PLOT  
RCF3 fmi data





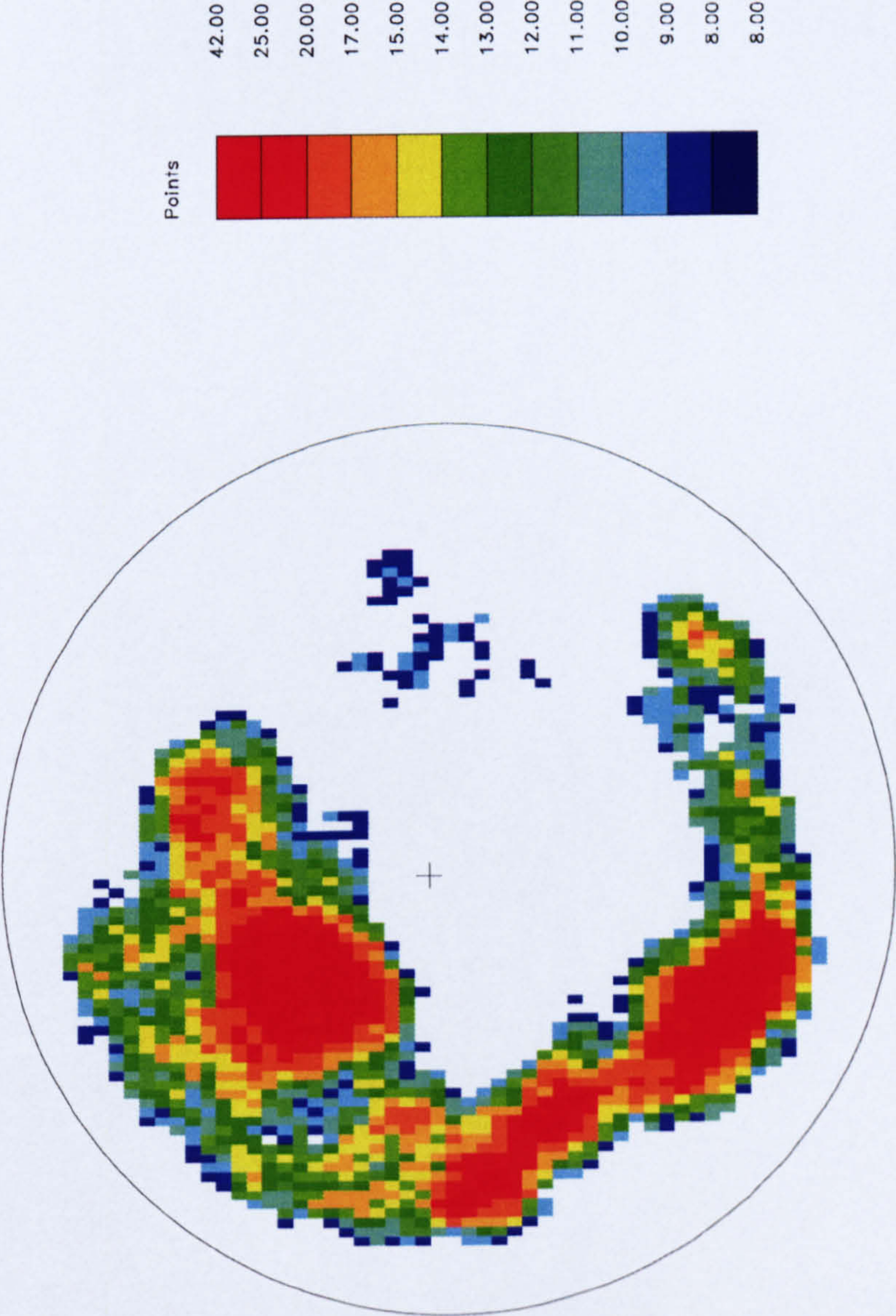
RCF3 BGS data  
DEPTH RANGE FROM: 630.0 TO 790.0 METRES



Mean direction = 55.6 +<sup>-</sup> 24.2  
NO OF DATA POINTS 3712 Class 3



EQUAL AREA DENSITY PLOT  
RCF3 BGS data



751 points selected  
Depth from 630.00 to 790.00



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
630.7436	66.4865	45.5373	1	6.33	03-Feb-00	12:00:48	B	0	1
631.7108	76.4215	30.5346	5	6.33	03-Feb-00	12:01:17	B	0	2
631.3083	60.6511	358.797	4	6.33	03-Feb-00	12:01:32	B	0	3
632.1302	69.2254	43.7576	2	6.33	03-Feb-00	12:02:00	B	0	4
632.3414	67.0401	34.4927	2	6.33	03-Feb-00	12:02:08	B	0	5
632.1227	43.2678	50.8203	5	6.33	03-Feb-00	12:02:28	B	0	6
633.6235	63.8894	20.2574	4	6.33	03-Feb-00	12:02:44	B	0	7
636.0722	74.7056	24.464	2	6.33	03-Feb-00	12:06:31	B	0	8
642.0859	74.5951	14.1133	1	6.33	03-Feb-00	12:08:55	B	0	9
642.1492	44.062	321.5064	2	6.33	03-Feb-00	12:09:34	B	0	10
643.0582	62.9488	7.7114	4	6.33	03-Feb-00	12:09:53	B	0	11
642.6298	73.4941	11.5859	4	6.33	03-Feb-00	12:09:56	B	0	12
644.6698	85.3	307.8306	4	6.33	03-Feb-00	12:10:40	B	0	13
647.1237	75.71	343.1722	3	6.33	03-Feb-00	12:11:56	B	0	14
648.8765	71.473	259.3298	3	6.33	03-Feb-00	12:12:21	B	0	15
649.0621	76.9966	258.3054	2	6.33	03-Feb-00	12:12:44	B	0	16
649.5757	78.8584	261.4662	2	6.33	03-Feb-00	12:13:10	B	0	17
651.2123	70.4205	38.2182	1	6.33	03-Feb-00	12:14:26	B	0	18
652.2606	61.8988	54.3805	1	6.33	03-Feb-00	12:14:36	B	0	19
652.5526	77.2798	28.361	1	6.33	03-Feb-00	12:14:46	B	0	20
652.3867	69.7506	11.9665	1	6.33	03-Feb-00	12:14:54	B	0	21
651.9319	63.0165	79.1513	3	6.33	03-Feb-00	12:17:29	B	0	22
651.7344	69.2074	37.5361	3	6.33	03-Feb-00	12:17:37	B	0	23
652.6452	61.3713	98.809	4	6.33	03-Feb-00	12:17:53	B	0	24
652.6632	84.3045	48.5311	3	6.33	03-Feb-00	12:18:29	B	0	25
653.2717	56.353	95.0969	2	6.33	03-Feb-00	12:19:51	B	0	26
653.145	54.7864	83.2565	2	6.33	03-Feb-00	12:19:55	B	0	27
653.0407	52.3016	85.5411	2	6.33	03-Feb-00	12:20:02	B	0	28
653.3906	72.2564	247.1619	3	6.33	03-Feb-00	12:20:22	B	0	29
653.9152	41.1866	312.9085	2	6.33	03-Feb-00	12:20:44	B	0	30
654.8553	49.4525	350.2789	1	6.33	03-Feb-00	12:21:31	B	0	31
655.4816	53.4465	36.6985	1	6.3316	03-Feb-00	12:21:38	B	0	32
654.342	59.8331	355.6069	2	6.33	03-Feb-00	12:21:59	B	0	33
655.35	78.0643	1.8354	3	6.33	03-Feb-00	12:22:20	B	0	34
654.7498	80.3528	175.1889	4	6.33	03-Feb-00	12:23:36	B	0	35
655.0576	31.7249	117.5365	4	6.33	03-Feb-00	12:23:45	B	0	36
655.5778	74.5845	284.1082	5	6.3444	03-Feb-00	12:24:08	B	0	37
655.5609	54.8867	207.2479	1	6.3421	03-Feb-00	12:24:31	B	0	38
656.2701	74.1043	44.7038	1	6.3725	03-Feb-00	12:25:19	B	0	39
656.3558	65.4557	316.9016	1	6.3564	03-Feb-00	12:25:25	B	0	40
656.7706	67.7422	42.7899	1	6.33	03-Feb-00	12:25:31	B	0	41
658.2698	78.0963	42.3551	1	6.35	03-Feb-00	12:25:46	B	0	42
656.8154	67.8498	325.75	3	6.33	03-Feb-00	12:26:08	B	0	43
657.744	60.4899	339.2816	3	6.33	03-Feb-00	12:26:14	B	0	44
659.0164	65.4302	35.1858	3	6.3476	03-Feb-00	12:26:34	B	0	45
659.1497	80.362	29.2346	4	6.3387	03-Feb-00	12:26:46	B	0	46
658.5841	85.7057	52.1793	4	6.35	03-Feb-00	12:27:11	B	0	47
656.982	80.6634	191.0231	5	6.33	03-Feb-00	12:27:50	B	0	48
658.6474	42.9586	123.4667	5	6.35	03-Feb-00	12:29:04	B	0	49
658.5745	76.3851	190.9456	5	6.35	03-Feb-00	12:29:11	B	0	50
659.9816	42.5153	215.0428	1	6.35	03-Feb-00	12:29:26	B	0	51

Table App 9.1 - Discontinuity data file generated from the UBI AMWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
660.6169	37.4282	182.599	1	6.33	03-Feb-00	12:29:32	B	0	52
660.974	71.5735	38.2361	1	6.33	03-Feb-00	12:29:38	B	0	53
662.0374	66.3174	38.254	1	6.33	03-Feb-00	12:29:48	B	0	54
660.3837	36.7983	16.0291	2	6.3455	03-Feb-00	12:31:52	B	0	55
660.3345	84.8541	191.1912	3	6.35	03-Feb-00	12:32:30	B	0	56
660.0168	80.3418	333.4964	3	6.35	03-Feb-00	12:32:40	B	0	57
661.548	59.5968	70.2055	3	6.33	03-Feb-00	12:33:23	B	0	58
661.898	66.9474	32.5018	3	6.33	03-Feb-00	12:33:58	B	0	59
662.6608	74.5229	346.9635	1	6.33	03-Feb-00	12:34:19	B	0	60
662.8083	68.7608	352.3913	2	6.33	03-Feb-00	12:34:40	B	0	61
663.4747	65.2211	91.3322	3	6.33	03-Feb-00	12:35:10	B	0	62
664.1428	67.9838	346.4839	3	6.33	03-Feb-00	12:35:49	B	0	63
663.9086	65.5845	85.2308	4	6.33	03-Feb-00	12:37:57	B	0	64
664.5324	65.7608	342.1948	5	6.33	03-Feb-00	12:38:20	B	0	65
661.8529	64.2562	176.33	3	6.33	03-Feb-00	12:38:43	B	0	66
665.7418	61.8176	98.6935	1	6.33	03-Feb-00	12:39:48	B	0	67
665.7449	64.6321	256.8915	4	6.33	03-Feb-00	12:40:10	B	0	68
668.8121	39.2587	163.0328	1	6.33	03-Feb-00	13:15:49	B	0	69
669.4124	63.4098	105.8608	1	6.33	03-Feb-00	13:16:01	B	0	70
670.0147	67.582	101.0616	1	6.33	03-Feb-00	13:16:09	B	0	71
669.5441	69.0019	100.1682	1	6.33	03-Feb-00	13:16:29	B	0	72
669.7686	66.9583	100.786	2	6.33	03-Feb-00	13:17:01	B	0	73
670.0809	72.1688	322.1791	1	6.33	03-Feb-00	13:20:36	B	0	74
669.0812	66.2099	101.4976	3	6.33	03-Feb-00	13:20:56	B	0	75
669.6149	69.3843	103.0889	2	6.33	03-Feb-00	13:24:28	B	0	76
669.824	77.2378	229.5557	3	6.33	03-Feb-00	13:25:57	B	0	77
670.9532	65.5046	100.6776	2	6.33	03-Feb-00	13:28:51	B	0	78
669.8576	63.205	88.6109	4	6.33	03-Feb-00	13:29:13	B	0	79
669.0775	66.0677	331.3032	4	6.33	03-Feb-00	13:29:40	B	0	80
671.7249	64.1062	102.3862	2	6.33	03-Feb-00	13:30:55	B	0	81
672.4642	64.2649	106.8621	1	6.33	03-Feb-00	13:31:07	B	0	82
674.6737	59.5133	108.8179	1	6.33	03-Feb-00	13:32:09	B	0	83
675.826	74.1373	70.3745	3	6.33	03-Feb-00	13:32:34	B	0	84
675.8934	73.1846	69.7091	4	6.33	03-Feb-00	13:32:59	B	0	85
676.1843	35.0899	143.0764	2	6.33	03-Feb-00	13:33:57	B	0	86
676.8559	68.9446	20.0177	3	6.33	03-Feb-00	13:35:29	B	0	87
676.9141	68.8766	317.6829	4	6.33	03-Feb-00	13:36:08	B	0	88
677.4868	29.3205	160.2695	1	6.33	03-Feb-00	13:36:29	B	0	89
678.6071	33.4569	168.0585	1	6.33	03-Feb-00	13:36:43	B	0	90
678.5037	79.8734	317.1495	4	6.33	03-Feb-00	13:37:42	B	0	91
678.6224	79.4128	21.7347	4	6.33	03-Feb-00	13:37:54	B	0	92
679.0272	80.8381	326.0773	4	6.33	03-Feb-00	13:38:08	B	0	93
678.1109	79.9587	304.6534	4	6.33	03-Feb-00	13:38:26	B	0	94
677.722	72.2967	108.344	4	6.33	03-Feb-00	13:38:31	B	0	95
680.248	81.2184	8.5671	4	6.33	03-Feb-00	13:39:41	B	0	96
680.8932	68.8214	69.7472	2	6.33	03-Feb-00	13:40:10	B	0	97
680.9813	40.0572	90.9633	2	6.33	03-Feb-00	13:40:39	B	0	98
682.1265	70.0586	74.9315	1	6.33	03-Feb-00	13:41:05	B	0	99
682.4481	81.3586	291.3439	3	6.33	03-Feb-00	13:42:11	B	0	100
682.6418	82.6695	320.3969	4	6.33	03-Feb-00	13:42:34	B	0	101
684.3933	67.6703	101.9625	1	6.33	03-Feb-00	13:43:12	B	0	102

Table App 9.1 - Discontinuity data file generated from the UBI AMWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
682.6522	85.6368	334.9255	5	6.33	03-Feb-00	13:43:28	B	0	103
685.8064	80.9275	87.8242	4	6.33	03-Feb-00	13:43:57	B	0	104
685.5834	78.9891	78.7544	4	6.33	03-Feb-00	13:44:33	B	0	105
686.1934	66.824	84.0496	2	6.33	03-Feb-00	13:45:35	B	0	106
686.466	72.6337	240.2761	3	6.33	03-Feb-00	13:46:02	B	0	107
686.8896	62.2905	155.2322	3	6.33	03-Feb-00	13:46:12	B	0	108
687.6166	72.6676	150.7572	1	6.33	03-Feb-00	13:46:32	B	0	109
687.9982	49.933	255.8108	2	6.33	03-Feb-00	13:46:50	B	0	110
688.3228	60.5487	328.2548	2	6.33	03-Feb-00	13:48:03	B	0	111
688.0222	56.056	38.465	4	6.33	03-Feb-00	13:50:13	B	0	112
688.2764	62.0165	52.2534	4	6.33	03-Feb-00	13:50:24	B	0	113
688.473	60.3113	161.8385	1	6.33	03-Feb-00	13:50:45	B	0	114
688.6267	68.0348	63.0962	3	6.33	03-Feb-00	13:51:25	B	0	115
688.9013	58.2808	49.1396	3	6.33	03-Feb-00	13:51:34	B	0	116
688.8719	76.7353	123.9368	4	6.33	03-Feb-00	13:51:50	B	0	117
689.5956	62.4924	84.455	4	6.33	03-Feb-00	13:52:14	B	0	118
690.016	70.3063	97.0369	1	6.33	03-Feb-00	13:54:24	B	0	119
690.3961	53.486	58.9488	4	6.33	03-Feb-00	13:56:34	B	0	120
690.5944	69.5149	52.8558	4	6.33	03-Feb-00	13:56:44	B	0	121
690.8604	74.6036	29.9195	4	6.33	03-Feb-00	13:57:17	B	0	122
691.3289	64.6382	69.5813	4	6.33	03-Feb-00	13:57:30	B	0	123
693.4583	76.4759	160.3845	1	6.33	03-Feb-00	13:58:44	B	0	124
693.5005	68.9797	330.438	4	6.33	03-Feb-00	13:59:24	B	0	125
693.4606	64.8642	34.7059	4	6.33	03-Feb-00	14:00:02	B	0	126
693.4517	58.6559	124.3556	3	6.33	03-Feb-00	14:00:26	B	0	127
694.3868	81.2713	148.5572	3	6.33	03-Feb-00	14:00:45	B	0	128
695.6892	77.9817	163.0511	3	6.33	03-Feb-00	14:01:42	B	0	129
696.6882	57.0847	92.116	2	6.33	03-Feb-00	14:02:25	B	0	130
696.5352	64.743	144.7786	3	6.33	03-Feb-00	14:02:59	B	0	131
696.6909	49.5128	240.7569	2	6.33	03-Feb-00	14:03:17	B	0	132
699.945	72.4474	113.323	1	6.33	03-Feb-00	14:04:39	B	0	133
699.6931	62.0272	118.8928	1	6.33	03-Feb-00	14:05:02	B	0	134
700.3325	57.3516	31.3432	4	6.33	03-Feb-00	14:05:53	B	0	136
700.5864	62.4512	178.044	3	6.33	03-Feb-00	14:06:43	B	0	137
700.5928	55.3396	27.0287	2	6.33	03-Feb-00	14:07:21	B	0	138
700.5267	74.0208	18.7952	3	6.33	03-Feb-00	14:07:59	B	0	139
698.8958	69.3742	20.0513	1	6.3482	03-Feb-00	14:16:06	B	0	140
702.8287	71.7142	12.6201	1	6.33	03-Feb-00	14:17:43	B	0	141
701.1884	54.6605	6.3017	5	6.33	03-Feb-00	14:18:00	B	0	142
700.5896	70.0957	195.3693	4	6.33	03-Feb-00	14:18:25	B	0	143
705.0111	53.4442	210.5275	2	6.33	03-Feb-00	14:20:07	B	0	144
704.257	64.8133	104.9689	1	6.33	03-Feb-00	14:20:39	B	0	145
703.9571	66.9373	98.7064	1	6.33	03-Feb-00	14:20:51	B	0	146
703.9559	69.8484	93.1623	2	6.33	03-Feb-00	14:21:21	B	0	147
704.1011	68.1875	100.0475	3	6.33	03-Feb-00	14:21:55	B	0	148
703.7521	61.8006	133.8016	3	6.33	03-Feb-00	14:22:19	B	0	149
703.2655	71.6038	11.3323	3	6.33	03-Feb-00	14:23:40	B	0	150
704.6896	47.0353	325.0501	3	6.33	03-Feb-00	14:23:50	B	0	151
705.5736	70.671	150.848	1	6.33	03-Feb-00	14:25:08	B	0	153
704.358	70.6358	39.487	3	6.33	03-Feb-00	14:26:44	B	0	154
704.5932	73.1412	162.1647	4	6.33	03-Feb-00	14:27:20	B	0	155

Table App 9.1 - Discontinuity data file generated from the UBI AMWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
705.2979	58.1169	27.405	2	6.33	03-Feb-00	14:32:10	B	0	156
705.4702	60.894	16.8137	4	6.33	03-Feb-00	14:32:50	B	0	157
705.7946	75.8998	5.4489	4	6.33	03-Feb-00	14:33:12	B	0	158
705.8281	66.8587	8.8248	5	6.33	03-Feb-00	14:33:30	B	0	159
706.3814	52.9515	103.2958	5	6.33	03-Feb-00	14:33:41	B	0	160
706.9652	33.2881	228.9514	4	6.321	03-Feb-00	14:33:57	B	0	161
707.2225	64.7805	223.6854	3	6.3165	03-Feb-00	14:34:10	B	0	162
707.6778	66.9964	109.6353	1	6.33	03-Feb-00	14:35:23	B	0	163
707.8128	70.2698	120.8547	1	6.3174	03-Feb-00	14:35:34	B	0	164
707.681	71.906	131.3661	2	6.33	03-Feb-00	14:35:55	B	0	165
707.563	66.7131	343.6313	4	6.3282	03-Feb-00	14:36:40	B	0	166
708.6075	82.3147	67.4793	5	6.33	03-Feb-00	14:42:44	B	0	167
708.3119	52.4164	121.156	3	6.3	03-Feb-00	14:43:07	B	0	168
708.4481	66.0131	115.0338	1	6.3176	03-Feb-00	14:43:28	B	0	169
708.52	64.759	120.2197	1	6.33	03-Feb-00	14:43:41	B	0	170
708.6797	62.5682	138.0664	1	6.33	03-Feb-00	14:43:50	B	0	171
708.7765	61.0691	141.4156	1	6.33	03-Feb-00	14:43:59	B	0	172
708.8007	63.0581	109.5516	2	6.33	03-Feb-00	14:44:17	B	0	173
709.1013	57.4752	123.3687	1	6.33	03-Feb-00	14:55:39	B	0	174
709.0076	70.6921	17.8011	2	6.33	03-Feb-00	14:56:37	B	0	175
708.8207	47.4888	56.9222	2	6.33	03-Feb-00	14:56:52	B	0	176
710.5803	79.2839	45.3094	4	6.33	03-Feb-00	14:58:11	B	0	177
711.2404	86.0762	164.9588	5	6.33	03-Feb-00	14:58:38	B	0	178
712.4197	74.6312	37.3326	3	6.3033	03-Feb-00	14:59:09	B	0	179
712.6233	72.3574	165.1315	1	6.3	03-Feb-00	14:59:29	B	0	180
713.3152	68.2728	47.5255	2	6.3057	03-Feb-00	15:02:29	B	0	181
712.834	72.5574	38.6519	3	6.3	03-Feb-00	15:03:05	B	0	182
713.1259	45.5575	55.5823	4	6.3	03-Feb-00	15:03:55	B	0	183
714.6017	74.1719	210.0793	3	6.3	03-Feb-00	15:04:41	B	0	184
712.7496	69.6278	358.5599	4	6.3	03-Feb-00	15:05:13	B	0	185
713.4933	78.4331	172.6082	4	6.31	03-Feb-00	15:05:38	B	0	186
713.7589	73.9667	358.1955	4	6.3108	03-Feb-00	15:08:27	B	0	187
716.212	72.7631	58.8846	2	6.33	03-Feb-00	15:09:16	B	0	188
716.2755	63.9635	176.0879	3	6.33	03-Feb-00	15:09:37	B	0	189
716.5463	78.1486	333.9908	4	6.33	03-Feb-00	15:09:58	B	0	190
717.1177	85.0432	334.9432	4	6.33	03-Feb-00	15:10:01	B	0	191
716.778	61.4001	209.899	5	6.33	03-Feb-00	15:10:30	B	0	192
716.5666	64.3448	199.3813	5	6.33	03-Feb-00	15:10:40	B	0	193
718.0142	81.2672	81.5026	3	6.33	03-Feb-00	15:12:37	B	0	194
718.4223	60.0342	81.9116	3	6.33	03-Feb-00	15:12:50	B	0	195
717.6824	60.1249	131.0623	2	6.33	03-Feb-00	15:13:05	B	0	196
718.2482	50.9679	126.7668	3	6.33	03-Feb-00	15:13:39	B	0	197
718.1425	79.4857	296.9261	3	6.33	03-Feb-00	15:13:49	B	0	198
718.6392	66.7857	75.6963	2	6.33	03-Feb-00	15:14:33	B	0	199
718.7356	60.4863	93.1845	3	6.3269	03-Feb-00	15:14:48	B	0	200
718.7781	62.2491	167.1721	3	6.3184	03-Feb-00	15:14:55	B	0	201
718.8989	60.9702	13.7186	2	6.3	03-Feb-00	15:16:09	B	0	202
718.8107	68.3177	140.9288	3	6.3119	03-Feb-00	15:16:28	B	0	203
719.3374	63.5451	32.8486	1	6.3	03-Feb-00	15:19:09	B	0	204
719.9412	63.4704	104.3432	1	6.3	03-Feb-00	15:19:26	B	0	205
720.4632	54.18	113.126	2	6.3091	03-Feb-00	15:23:58	B	0	206

Table App 9.1 - Discontinuity data file generated from the UBI AMWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
720.6426	54.2766	116.2579	1	6.3262	03-Feb-00	15:24:16	B	0	207
720.7766	51.7493	73.0262	1	6.33	03-Feb-00	15:24:23	B	0	208
720.637	68.6209	95.7656	2	6.3258	03-Feb-00	15:24:46	B	0	209
719.4746	65.2082	33.0646	2	6.3	03-Feb-00	16:04:39	B	0	210
719.0756	66.5344	39.7524	2	6.3	03-Feb-00	16:04:48	B	0	211
719.1874	46.6721	21.889	3	6.3	03-Feb-00	16:05:36	B	0	212
719.1445	53.9923	27.8028	3	6.3	03-Feb-00	16:05:40	B	0	213
719.1693	67.1719	92.7077	3	6.3	03-Feb-00	16:05:49	B	0	214
719.78	48.3696	127.0977	4	6.3	03-Feb-00	16:06:21	B	0	215
719.8606	56.4722	106.1565	4	6.3	03-Feb-00	16:06:27	B	0	216
719.7001	62.7583	96.6093	4	6.3	03-Feb-00	16:06:33	B	0	217
719.474	63.2312	120.4512	4	6.3	03-Feb-00	16:06:38	B	0	218
718.9347	50.8533	93.8242	4	6.3	03-Feb-00	16:06:48	B	0	219
718.9859	60.8232	92.1211	4	6.3	03-Feb-00	16:07:10	B	0	220
719.4075	62.8941	116.0528	4	6.3	03-Feb-00	16:07:22	B	0	221
720.3295	65.4765	80.4494	4	6.3	03-Feb-00	16:07:33	B	0	222
720.2817	41.2624	186.057	4	6.3	03-Feb-00	16:07:39	B	0	223
720.3771	55.1149	95.769	4	6.3	03-Feb-00	16:07:46	B	0	224
720.498	65.7917	99.7485	4	6.3135	03-Feb-00	16:07:55	B	0	225
720.9062	35.1374	201.3246	3	6.33	03-Feb-00	16:08:15	B	0	226
720.9505	60.0939	98.3298	3	6.33	03-Feb-00	16:08:21	B	0	227
721.1993	75.8722	80.6765	3	6.2931	03-Feb-00	16:09:27	B	0	228
721.0126	71.7216	26.1992	3	6.3261	03-Feb-00	16:09:34	B	0	229
721.6331	66.72	143.5981	1	6.3171	03-Feb-00	16:09:54	B	0	230
722.1595	54.8554	192.6066	1	6.28	03-Feb-00	16:10:04	B	0	231
722.3587	66.1522	103.574	1	6.28	03-Feb-00	16:10:11	B	0	232
721.3926	62.4064	272.1407	3	6.33	03-Feb-00	16:10:28	B	0	233
721.5129	53.2664	262.7778	3	6.3265	03-Feb-00	16:10:36	B	0	234
721.8793	65.5903	186.145	3	6.3219	03-Feb-00	16:10:49	B	0	235
721.3615	68.163	295.2161	3	6.33	03-Feb-00	16:11:24	B	0	236
722.4753	26.0586	226.3178	3	6.28	03-Feb-00	16:11:30	B	0	237
722.7427	64.3116	225.4397	3	6.2884	03-Feb-00	16:12:43	B	0	238
724.2443	67.1311	108.6475	1	6.3228	03-Feb-00	16:13:18	B	0	239
724.3636	70.379	95.4274	4	6.33	03-Feb-00	16:14:11	B	0	240
723.7789	74.4809	315.962	5	6.2838	03-Feb-00	16:14:27	B	0	241
723.7501	79.6048	60.5685	5	6.28	03-Feb-00	16:14:32	B	0	242
724.4872	60.4314	215.6319	5	6.33	03-Feb-00	16:14:42	B	0	243
725.4504	81.2543	230.485	2	6.33	03-Feb-00	16:15:19	B	0	244
725.7149	64.6094	357.8627	2	6.33	03-Feb-00	16:15:28	B	0	245
725.471	81.7107	235.1608	2	6.33	03-Feb-00	16:16:10	B	0	246
726.6562	51.4589	1.657	2	6.33	03-Feb-00	16:16:44	B	0	247
726.2859	60.0658	263.2705	4	6.33	03-Feb-00	16:16:57	B	0	248
726.7972	72.5844	238.547	2	6.33	03-Feb-00	16:18:00	B	0	249
728.1177	70.7599	247.7759	3	6.33	03-Feb-00	16:18:12	B	0	250
727.1359	75.0246	175.0709	2	6.33	03-Feb-00	16:18:20	B	0	251
727.5765	68.3034	42.7149	1	6.33	03-Feb-00	16:18:29	B	0	252
726.6885	68.5584	264.08	4	6.33	03-Feb-00	16:18:47	B	0	253
727.5957	69.705	191.0714	3	6.33	03-Feb-00	16:19:06	B	0	254
728.1987	69.8333	132.7462	3	6.33	03-Feb-00	16:19:37	B	0	255
728.5248	59.5782	104.2623	3	6.33	03-Feb-00	16:19:47	B	0	256
728.3839	75.3838	248.7708	4	6.33	03-Feb-00	16:21:08	B	0	257

Table App 9.1 - Discontinuity data file generated from the UBI AMWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
728.1741	49.5067	74.8886	4	6.33	03-Feb-00	16:21:15	B	0	258
728.8901	68.1998	334.1955	4	6.33	03-Feb-00	16:21:23	B	0	259
730.2258	64.2214	154.665	3	6.33	03-Feb-00	16:22:35	B	0	260
730.0452	45.6729	83.171	3	6.33	03-Feb-00	16:22:40	B	0	261
730.775	53.4829	266.465	3	6.33	03-Feb-00	16:22:51	B	0	262
730.7026	75.2576	42.6346	5	6.33	03-Feb-00	16:23:46	B	0	263
731.3804	58.2137	267.1981	3	6.33	03-Feb-00	16:24:13	B	0	264
732.4354	83.7644	54.6793	4	6.33	03-Feb-00	16:24:27	B	0	265
732.3418	64.758	31.0259	1	6.33	03-Feb-00	16:24:41	B	0	266
732.0521	75.1491	359.441	4	6.33	03-Feb-00	16:24:54	B	0	267
734.3145	65.3785	331.9518	3	6.33	03-Feb-00	16:26:11	B	0	268
734.1433	62.9883	41.0061	4	6.33	03-Feb-00	16:26:24	B	0	269
734.7764	65.1871	327.5223	4	6.33	03-Feb-00	16:26:50	B	0	270
734.6979	60.4952	122.7692	4	6.33	03-Feb-00	16:27:05	B	0	271
734.1456	82.5828	127.2992	5	6.33	03-Feb-00	16:27:18	B	0	272
734.7812	67.2987	103.8069	4	6.33	03-Feb-00	16:29:51	B	0	273
734.9614	71.6374	82.7656	3	6.33	03-Feb-00	16:30:07	B	0	274
736.3362	75.2552	266.5012	3	6.33	03-Feb-00	16:30:16	B	0	275
736.3591	62.4345	25.6516	3	6.33	03-Feb-00	16:30:25	B	0	276
734.4503	86.4969	358.0466	3	6.33	03-Feb-00	16:30:51	B	0	277
737.7778	75.5533	155.9861	1	6.33	03-Feb-00	16:31:41	B	0	278
737.7814	76.1488	158.3123	1	6.33	03-Feb-00	16:31:52	B	0	279
737.9713	74.7861	132.8788	1	6.33	03-Feb-00	16:32:08	B	0	280
737.8534	68.0174	138.6131	2	6.33	03-Feb-00	16:32:23	B	0	281
738.2438	73.3142	150.354	2	6.33	03-Feb-00	16:32:37	B	0	282
738.5823	70.823	137.8724	3	6.33	03-Feb-00	16:33:05	B	0	283
738.092	75.8928	157.8702	4	6.33	03-Feb-00	16:33:28	B	0	284
738.3889	67.779	154.4492	4	6.33	03-Feb-00	16:33:35	B	0	285
738.6961	71.1886	151.3279	3	6.33	03-Feb-00	16:33:52	B	0	286
738.9914	63.2821	51.4931	1	6.33	03-Feb-00	16:34:20	B	0	287
738.7751	77.9102	145.0213	3	6.33	03-Feb-00	16:34:34	B	0	288
743.6916	77.606	191.8387	5	6.33	03-Feb-00	16:36:43	B	0	289
745.7214	62.7245	29.9819	1	6.33	03-Feb-00	16:53:03	B	0	290
748.1452	63.3943	49.2737	1	6.33	03-Feb-00	16:53:30	B	0	291
750.0757	70.6916	79.7597	1	6.3223	03-Feb-00	16:53:58	B	0	292
749.0587	64.2484	202.5468	3	6.33	03-Feb-00	16:54:11	B	0	293
751.0352	59.4794	40.7274	2	6.351	03-Feb-00	16:55:04	B	0	294
751.2931	67.8296	172.4542	3	6.3649	03-Feb-00	16:55:13	B	0	295
753.2051	60.3978	32.9699	1	6.4	03-Feb-00	16:56:14	B	0	296
756.3219	72.4621	300.4108	4	6.4	03-Feb-00	16:56:59	B	0	297
756.6183	58.7	42.2519	1	6.4	03-Feb-00	16:57:09	B	0	298
756.6796	24.113	237.0159	2	6.4	03-Feb-00	16:57:27	B	0	299
757.1447	85.8353	294.3801	4	6.4	03-Feb-00	16:57:54	B	0	300
757.2009	54.6654	44.0796	1	6.4	03-Feb-00	16:58:26	B	0	301
758.0837	60.3092	34.6103	1	6.4	03-Feb-00	16:59:04	B	0	302
758.7417	59.9165	33.8883	1	6.4	03-Feb-00	16:59:09	B	0	303
757.8875	45.183	39.1719	2	6.4	03-Feb-00	16:59:46	B	0	304
756.7922	73.5147	43.5269	4	6.4	03-Feb-00	17:00:01	B	0	305
757.2526	80.9209	232.9082	4	6.4	03-Feb-00	17:00:07	B	0	306
758.7675	61.9827	129.1528	4	6.4	03-Feb-00	17:00:19	B	0	307
759.2921	60.3754	38.0632	2	6.4	03-Feb-00	17:00:50	B	0	308

Table App 9.1 - Discontinuity data file generated from the UBI AMWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
760.4401	50.8458	51.6533	1	6.3525	03-Feb-00	17:01:00	B	0	309
760.8019	58.6671	243.1532	2	6.35	03-Feb-00	17:01:15	B	0	310
759.3344	42.3279	265.6265	3	6.4	03-Feb-00	17:01:35	B	0	311
759.0015	80.6704	127.7509	4	6.4	03-Feb-00	17:01:50	B	0	312
760.9514	74.1632	42.7391	1	6.35	03-Feb-00	17:02:28	B	0	313
761.6632	65.5786	247.8418	2	6.35	03-Feb-00	17:02:52	B	0	314
762.0115	31.9485	60.2786	1	6.3477	03-Feb-00	17:03:05	B	0	315
761.7499	59.7876	152.855	3	6.35	03-Feb-00	17:03:30	B	0	316
763.3439	46.7052	31.6348	1	6.35	03-Feb-00	17:04:25	B	0	317
763.6406	43.965	45.7258	1	6.35	03-Feb-00	17:04:30	B	0	318
763.0859	70.8958	152.0905	2	6.35	03-Feb-00	17:04:41	B	0	319
763.897	79.0137	250.0611	3	6.35	03-Feb-00	17:05:18	B	0	320
764.8545	68.4154	231.1588	4	6.3572	03-Feb-00	17:05:38	B	0	321
765.7321	53.1073	34.1521	1	6.3896	03-Feb-00	17:06:18	B	0	322
766.4206	54.1285	16.8745	1	6.36	03-Feb-00	17:06:24	B	0	323
766.7903	66.4824	74.8148	1	6.3888	03-Feb-00	17:06:31	B	0	324
765.0596	55.8351	210.1317	2	6.3213	03-Feb-00	17:06:47	B	0	325
765.1659	39.0234	200.1628	3	6.3355	03-Feb-00	17:07:02	B	0	326
766.2491	41.7412	227.159	3	6.3526	03-Feb-00	17:07:25	B	0	327
766.5173	35.5159	273.912	3	6.36	03-Feb-00	17:07:48	B	0	328
766.3428	38.5436	59.7693	2	6.3549	03-Feb-00	17:08:06	B	0	329
766.4589	49.5513	23.5274	2	6.36	03-Feb-00	17:08:41	B	0	330
767.4276	45.1922	53.7977	2	6.3922	03-Feb-00	17:09:18	B	0	331
767.253	44.0663	351.4457	4	6.3749	03-Feb-00	17:09:32	B	0	332
768.4895	48.4081	95.1851	1	6.3702	03-Feb-00	17:09:47	B	0	333
768.73	70.684	298.9181	1	6.35	03-Feb-00	17:09:56	B	0	334
769.2145	45.0465	42.555	1	6.3866	03-Feb-00	17:10:30	B	0	335
768.947	69.2767	297.5539	3	6.35	03-Feb-00	17:10:46	B	0	336
769.2343	34.0587	229.0517	1	6.3854	03-Feb-00	17:11:05	B	0	337
771.7536	58.7423	42.4495	1	6.4	03-Feb-00	17:12:20	B	0	338
772.3165	53.4289	276.0455	1	6.4	03-Feb-00	17:12:57	B	0	339
773.2471	45.9215	69.3501	1	6.389	03-Feb-00	17:13:50	B	0	340
773.6611	59.8577	101.0771	1	6.4	03-Feb-00	17:13:55	B	0	341
773.9597	68.6141	109.7831	1	6.4	03-Feb-00	17:14:03	B	0	342
774.1678	76.9822	9.8821	3	6.4	03-Feb-00	17:14:19	B	0	343
775.2189	59.6067	76.1992	1	6.4	03-Feb-00	17:14:51	B	0	344
776.7031	56.7375	151.6512	3	6.3549	03-Feb-00	17:15:09	B	0	345
775.9188	63.9837	60.3965	4	6.4	03-Feb-00	17:15:22	B	0	346
776.4297	68.6	84.4381	4	6.3934	03-Feb-00	17:15:29	B	0	347
776.2148	64.4118	48.0002	4	6.4	03-Feb-00	17:15:47	B	0	348
778.2973	69.9761	14.9266	1	6.3892	03-Feb-00	17:16:39	B	0	349
777.8065	59.8232	94.471	2	6.3871	03-Feb-00	17:16:52	B	0	350
777.0612	51.4678	82.005	4	6.4	03-Feb-00	17:17:33	B	0	351
776.9224	37.0329	89.957	3	6.3956	03-Feb-00	17:17:47	B	0	352
776.9421	82.3493	187.9881	5	6.4	03-Feb-00	17:18:04	B	0	353
777.0007	67.916	279.173	3	6.4	03-Feb-00	17:18:21	B	0	354
777.7559	52.1744	261.8522	3	6.3837	03-Feb-00	17:18:45	B	0	355
779.1033	70.0676	29.8906	3	6.4	03-Feb-00	17:19:15	B	0	356
779.2614	69.5511	67.8934	3	6.4	03-Feb-00	17:19:35	B	0	357
780.4958	59.3809	115.1982	1	6.4	03-Feb-00	17:19:50	B	0	358
780.3079	61.8157	26.5067	1	6.4	03-Feb-00	17:19:56	B	0	359

Table App 9.1 - Discontinuity data file generated from the UBI AMWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
780.0259	66.429	95.3314	1	6.4	03-Feb-00	17:20:05	B	0	360
779.8664	58.6092	141.0457	3	6.4	03-Feb-00	17:20:39	B	0	361
779.6733	66.4715	158.2052	3	6.4	03-Feb-00	17:20:47	B	0	362
780.2344	53.4329	210.9139	3	6.4	03-Feb-00	17:21:06	B	0	363
780.2932	69.2514	134.4787	3	6.4	03-Feb-00	17:21:15	B	0	364
780.8387	77.7937	326.2708	5	6.4	03-Feb-00	17:24:06	B	0	365
781.9705	80.1232	335.5738	3	6.4	03-Feb-00	17:24:19	B	0	366
782.2454	55.914	63.3528	1	6.4	03-Feb-00	17:24:33	B	0	367
782.1601	62.1389	62.2342	2	6.4	03-Feb-00	17:27:05	B	0	368
782.1199	72.7411	345.9128	1	6.4	03-Feb-00	17:30:19	B	0	369
782.1087	34.4498	44.485	5	6.4	03-Feb-00	17:31:09	B	0	370
782.2169	79.6918	81.7468	4	6.4	03-Feb-00	17:31:32	B	0	371
782.014	81.9645	74.221	4	6.4	03-Feb-00	17:32:16	B	0	372
782.318	73.9434	18.156	4	6.4	03-Feb-00	17:32:35	B	0	373
784.2795	66.596	72.9185	1	6.4	03-Feb-00	17:33:12	B	0	374
783.6714	75.9889	67.7362	4	6.4	03-Feb-00	17:33:27	B	0	375
784.2383	79.9035	171.2272	4	6.4	03-Feb-00	17:33:37	B	0	376
784.4446	61.8139	80.4711	3	6.4	03-Feb-00	17:33:58	B	0	377
783.7648	64.2466	286.8162	3	6.4	03-Feb-00	17:34:10	B	0	378
784.324	77.9039	169.3983	4	6.4	03-Feb-00	17:34:40	B	0	379
785.3342	70.1274	191.9065	3	6.4	03-Feb-00	17:34:57	B	0	380
785.1696	53.134	316.332	3	6.4	03-Feb-00	17:35:11	B	0	381
786.7357	49.9261	109.4723	2	6.4	03-Feb-00	17:35:29	B	0	382
786.3884	45.1277	134.3753	3	6.4	03-Feb-00	17:35:38	B	0	383
786.4873	39.8368	118.2254	4	6.4	03-Feb-00	17:35:53	B	0	384
786.6068	39.7083	116.307	4	6.4	03-Feb-00	17:36:01	B	0	385
787.4414	65.6684	258.387	4	6.4	03-Feb-00	17:36:51	B	0	386
787.0519	41.7533	134.2341	1	6.4	03-Feb-00	17:37:06	B	0	387
789.0529	66.9464	96.9578	2	6.3448	03-Feb-00	17:38:01	B	0	388
789.5705	66.0634	181.9171	4	6.35	03-Feb-00	17:38:12	B	0	389
789.5674	57.4711	96.0952	3	6.35	03-Feb-00	17:38:33	B	0	390
789.4677	47.8097	67.367	3	6.35	03-Feb-00	17:38:39	B	0	391
789.9416	62.7222	314.0957	3	6.35	03-Feb-00	17:39:05	B	0	392

Table App 9.1 - Discontinuity data file generated from the UBI AMWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
630.7899	70.3157	25.1932	3	6.33	01-Feb-00	13:45:38	B	0	1
630.5696	39.4102	191.0667	3	6.33	01-Feb-00	13:46:40	B	0	2
630.9678	68.2844	198.2525	4	6.33	01-Feb-00	13:49:13	B	0	4
631.0628	61.416	187.5983	4	6.33	01-Feb-00	13:52:31	B	0	5
632.1251	68.7379	44.3124	2	6.33	01-Feb-00	14:00:02	B	0	6
632.3648	64.9645	58.9475	5	6.33	01-Feb-00	14:21:16	B	0	7
633.6584	70.6346	21.6959	3	6.33	01-Feb-00	14:23:49	B	0	8
635.1831	66.8955	4.8796	4	6.33	01-Feb-00	14:33:50	B	0	9
636.0001	70.1087	12.5041	4	6.33	01-Feb-00	14:34:08	B	0	10
636.3143	49.3492	253.9925	5	6.33	01-Feb-00	14:35:51	B	0	11
638.0854	71.6182	65.8818	4	6.33	01-Feb-00	14:37:26	B	0	12
638.6234	50.3442	144.8729	2	6.33	01-Feb-00	14:40:29	B	0	13
639.8474	57.8277	187.0695	4	6.33	01-Feb-00	14:46:49	B	0	14
641.2125	64.5209	14.8049	3	6.33	01-Feb-00	14:53:06	B	0	15
641.6005	35.734	205.3508	3	6.33	01-Feb-00	14:53:40	B	0	16
642.034	66.6645	15.7973	2	6.33	01-Feb-00	14:58:35	B	0	17
641.7545	75.3038	130.3339	5	6.33	01-Feb-00	15:02:30	B	0	18
642.0326	66.8995	17.4824	2	6.33	01-Feb-00	15:04:12	B	0	19
642.5992	61.8981	338.9179	5	6.33	01-Feb-00	15:12:00	B	0	20
642.3259	70.7862	247.5452	5	6.33	01-Feb-00	15:12:53	B	0	21
642.1038	82.1123	185.6057	5	6.33	01-Feb-00	15:13:23	B	0	22
643.0827	62.6122	17.274	2	6.33	01-Feb-00	15:14:47	B	0	23
644.6431	69.5813	42.9496	1	6.33	01-Feb-00	15:17:20	B	0	24
644.2321	80.7953	308.9894	5	6.33	01-Feb-00	15:20:29	B	0	25
645.6423	64.234	328.3469	5	6.33	01-Feb-00	15:39:31	B	0	26
647.3793	68.2499	28.4194	4	6.33	01-Feb-00	15:42:30	B	0	27
647.6961	61.2116	63.8909	2	6.33	01-Feb-00	15:50:10	B	0	28
647.7957	47.0628	37.2707	5	6.33	01-Feb-00	15:50:39	B	0	29
647.5546	31.2352	141.2369	5	6.33	01-Feb-00	15:52:30	B	0	30
647.8829	63.5727	54.8201	5	6.33	01-Feb-00	16:03:10	B	0	31
648.8772	69.9791	258.1064	4	6.33	01-Feb-00	16:04:33	B	0	32
649.0754	77.8479	261.0695	3	6.33	01-Feb-00	16:07:42	B	0	33
649.5309	78.1353	255.1051	4	6.33	01-Feb-00	16:10:42	B	0	34
651.222	68.3015	27.3678	2	6.33	01-Feb-00	16:22:50	B	0	35
651.1244	68.3703	357.9702	5	6.33	01-Feb-00	16:24:29	B	0	36
651.7116	53.947	22.4857	4	6.33	01-Feb-00	16:26:03	B	0	37
651.4222	71.9765	38.7156	5	6.33	01-Feb-00	16:28:00	B	0	38
651.7518	60.268	160.3643	4	6.33	01-Feb-00	16:30:10	B	0	39
651.9946	51.7271	130.815	3	6.33	01-Feb-00	16:31:06	B	0	40
652.4132	76.6121	53.2133	4	6.33	01-Feb-00	16:33:19	B	0	41
652.2582	62.9373	57.9313	2	6.33	01-Feb-00	16:37:48	B	0	42
652.1088	56.3216	54.6225	4	6.33	01-Feb-00	16:41:19	B	0	43
652.6657	60.7316	271.7762	4	6.33	01-Feb-00	16:44:50	B	0	44
652.4935	72.0743	50.2402	5	6.33	01-Feb-00	16:45:16	B	0	45
652.6971	57.2124	69.4539	2	6.33	01-Feb-00	16:52:51	B	0	46
652.4276	71.444	351.3416	5	6.33	01-Feb-00	16:54:43	B	0	47
652.7688	68.4003	65.6491	5	6.33	01-Feb-00	16:55:41	B	0	48
653.0474	49.1868	86.3276	3	6.33	01-Feb-00	16:56:32	B	0	49
653.2607	53.241	94.7031	3	6.33	01-Feb-00	16:56:50	B	0	50

Table App 9.2 - Discontinuity data file generated from the UBI TTWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
653.1934	62.0021	85.6649	4	6.33	01-Feb-00	16:57:23	B	0	51
653.4015	68.8027	259.183	4	6.33	01-Feb-00	17:00:08	B	0	52
652.502	71.7563	49.3458	5	6.33	01-Feb-00	17:01:51	B	0	53
653.9237	41.177	325.6773	2	6.33	02-Feb-00	09:17:52	B	0	54
635.7422	33.1714	8.8379	5	6.33	02-Feb-00	09:43:05	B	0	56
639.4783	67.9788	19.7362	3	6.33	02-Feb-00	09:47:23	B	0	57
649.1452	63.3303	51.8006	4	6.33	02-Feb-00	10:24:39	B	0	60
649.1676	78.6183	79.593	4	6.33	02-Feb-00	10:25:41	B	0	61
650.628	44.4737	214.0392	4	6.33	02-Feb-00	10:29:05	B	0	62
653.9888	45.1811	347.4469	5	6.33	02-Feb-00	11:03:46	B	0	64
654.2656	64.6639	315.6642	4	6.33	02-Feb-00	11:04:45	B	0	65
654.689	70.6799	271.1806	2	6.33	02-Feb-00	11:06:58	B	0	66
654.8267	56.7579	23.4463	4	6.33	02-Feb-00	11:08:10	B	0	67
654.578	46.1695	286.9185	5	6.33	02-Feb-00	11:11:38	B	0	68
653.6381	72.9519	32.7574	5	6.33	02-Feb-00	11:16:46	B	0	69
654.5715	28.2312	92.7971	5	6.33	02-Feb-00	11:18:28	B	0	70
654.4702	80.307	302.7065	5	6.33	02-Feb-00	11:19:06	B	0	71
655.4921	54.5493	42.001	1	6.333	02-Feb-00	11:21:02	B	0	72
655.5114	60.5655	316.2341	5	6.3355	02-Feb-00	11:23:08	B	0	73
655.1133	51.9205	158.0787	4	6.33	02-Feb-00	11:23:58	B	0	74
655.3664	51.2153	319.5118	4	6.33	02-Feb-00	11:25:04	B	0	75
656.7704	68.3475	42.6822	1	6.33	02-Feb-00	11:28:47	B	0	76
656.35	66.2364	317.2764	3	6.3575	02-Feb-00	11:30:08	B	0	77
656.3239	56.3794	183.3568	4	6.3624	02-Feb-00	11:36:51	B	0	78
656.3007	75.9066	39.984	4	6.3668	02-Feb-00	11:37:30	B	0	79
657.2023	42.1914	300.7881	4	6.33	02-Feb-00	11:38:54	B	0	81
656.9666	77.4377	330.0043	4	6.33	02-Feb-00	11:40:08	B	0	82
658.2662	78.364	45.2649	1	6.35	02-Feb-00	11:44:16	B	0	83
657.9442	68.8349	26.904	4	6.3423	02-Feb-00	11:47:19	B	0	84
658.4222	84.6847	53.2109	4	6.35	02-Feb-00	11:47:44	B	0	85
657.804	61.559	7.5516	4	6.3329	02-Feb-00	11:48:15	B	0	86
657.5467	61.2399	329.3639	4	6.33	02-Feb-00	11:49:07	B	0	87
657.2618	19.7181	134.26	5	6.33	02-Feb-00	11:50:13	B	0	88
657.7664	61.3536	330.7608	5	6.3304	02-Feb-00	11:50:56	B	0	89
657.932	46.2245	346.4268	4	6.3415	02-Feb-00	11:51:24	B	0	90
657.9924	57.891	338.2133	5	6.3455	02-Feb-00	11:52:47	B	0	92
659.6324	80.5287	144.9968	4	6.33	02-Feb-00	11:55:41	B	0	93
659.0293	75.0115	36.8243	4	6.3467	02-Feb-00	11:56:21	B	0	94
659.9717	38.5285	194.9937	2	6.35	02-Feb-00	12:40:12	B	0	95
660.0197	29.0947	177.6335	2	6.35	02-Feb-00	12:41:43	B	0	96
659.8674	75.3263	336.882	4	6.347	02-Feb-00	12:44:46	B	0	97
660.6082	28.4916	168.9843	1	6.33	02-Feb-00	12:52:59	B	0	98
660.5727	71.7986	271.1975	5	6.33	02-Feb-00	12:54:33	B	0	99
660.4368	19.1085	337.4861	4	6.3384	02-Feb-00	12:55:42	B	0	100
660.9712	69.7951	36.1465	4	6.33	02-Feb-00	12:56:51	B	0	101
660.8511	69.3432	47.2528	5	6.33	02-Feb-00	12:57:46	B	0	102
661.0753	46.0359	17.3817	5	6.33	02-Feb-00	12:58:08	B	0	103
661.3488	42.9191	149.5457	4	6.33	02-Feb-00	13:00:03	B	0	104
661.4943	22.2861	233.3826	3	6.33	02-Feb-00	13:00:41	B	0	105

Table App 9.2 - Discontinuity data file generated from the UBI TTWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
661.6605	26.9147	188.935	3	6.33	02-Feb-00	13:01:03	B	0	106
661.9442	47.1412	176.2052	4	6.33	02-Feb-00	13:01:43	B	0	107
661.1887	31.9292	139.9193	4	6.33	02-Feb-00	13:01:55	B	0	108
661.2945	35.0145	150.8677	4	6.33	02-Feb-00	13:02:11	B	0	109
660.9804	57.8519	9.4778	5	6.33	02-Feb-00	13:02:45	B	0	110
662.6894	76.452	344.9523	2	6.33	02-Feb-00	13:04:24	B	0	111
662.0079	66.7668	52.144	1	6.33	02-Feb-00	13:05:00	B	0	112
661.9786	63.0977	353.7395	2	6.33	02-Feb-00	13:05:37	B	0	113
662.827	70.6068	351.8668	3	6.33	02-Feb-00	13:06:35	B	0	114
662.7459	63.3941	83.5024	4	6.33	02-Feb-00	13:07:12	B	0	115
662.4481	75.5234	358.5511	4	6.33	02-Feb-00	13:07:24	B	0	116
662.3654	68.8398	76.8622	4	6.33	02-Feb-00	13:07:31	B	0	117
662.6826	53.0941	103.4239	5	6.33	02-Feb-00	13:08:03	B	0	118
663.4829	66.6532	90.1194	4	6.33	02-Feb-00	13:14:52	B	0	119
662.7081	74.2734	338.4849	5	6.33	02-Feb-00	13:20:07	B	0	120
664.1641	69.6334	342.4695	2	6.33	02-Feb-00	13:21:34	B	0	121
664.8086	80.0074	338.4213	5	6.33	02-Feb-00	13:22:02	B	0	122
664.6907	47.8613	88.117	5	6.33	02-Feb-00	13:22:20	B	0	123
663.5843	46.2994	88.6533	4	6.33	02-Feb-00	13:27:16	B	0	124
663.5396	46.6769	88.1803	5	6.33	02-Feb-00	13:27:46	B	0	125
664.9013	81.7685	339.51	5	6.33	02-Feb-00	13:28:54	B	0	126
665.5073	47.3848	43.4261	4	6.33	02-Feb-00	13:33:52	B	0	127
665.7668	62.7448	95.5627	1	6.33	02-Feb-00	13:34:44	B	0	128
665.9096	52.4166	72.3197	3	6.33	02-Feb-00	13:35:49	B	0	129
665.8341	49.6119	82.5971	3	6.33	02-Feb-00	13:36:06	B	0	130
665.7199	14.1472	141.3679	4	6.33	02-Feb-00	13:36:29	B	0	131
666.5752	60.135	3.9746	2	6.33	02-Feb-00	13:41:10	B	0	132
666.7966	53.7345	83.7579	3	6.33	02-Feb-00	13:41:50	B	0	133
666.1342	26.6358	41.7835	5	6.33	02-Feb-00	13:42:29	B	0	134
668.3758	24.7029	172.8102	3	6.33	02-Feb-00	13:43:42	B	0	135
668.152	21.2559	65.8106	5	6.33	02-Feb-00	13:45:02	B	0	136
668.6401	60.59	16.3625	4	6.33	02-Feb-00	13:45:38	B	0	137
668.8009	34.8368	156.3656	1	6.33	02-Feb-00	13:56:30	B	0	138
669.3467	58.9982	104.9426	3	6.33	02-Feb-00	13:58:54	B	0	139
669.3932	67.1787	99.4762	4	6.33	02-Feb-00	13:59:45	B	0	140
669.4437	67.9333	96.718	2	6.33	02-Feb-00	14:00:19	B	0	141
669.4951	62.4339	89.3385	3	6.33	02-Feb-00	14:01:24	B	0	142
669.5346	66.6006	95.19	3	6.33	02-Feb-00	14:01:42	B	0	143
669.5701	64.4016	102.9515	3	6.33	02-Feb-00	14:02:35	B	0	144
669.6263	67.3052	101.4408	3	6.33	02-Feb-00	14:03:09	B	0	145
669.7955	63.4002	103.133	4	6.33	02-Feb-00	14:05:40	B	0	146
670.08	71.1506	330.7815	2	6.33	02-Feb-00	14:06:24	B	0	147
670.0181	66.0886	101.0741	1	6.33	02-Feb-00	14:09:40	B	0	148
669.8898	63.8029	95.4832	5	6.33	02-Feb-00	14:10:54	B	0	149
670.941	64.7538	101.3721	2	6.33	02-Feb-00	14:13:01	B	0	150
671.1049	65.9327	105.722	3	6.33	02-Feb-00	14:15:24	B	0	151
671.3315	33.9214	144.9815	4	6.33	02-Feb-00	14:15:59	B	0	152
671.4241	30.379	197.1208	5	6.33	02-Feb-00	14:16:25	B	0	153
671.2143	54.6379	243.0767	5	6.33	02-Feb-00	14:17:35	B	0	154

Table App 9.2 - Discontinuity data file generated from the UBI TTWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
671.7018	54.7214	95.8703	4	6.33	02-Feb-00	14:23:14	B	0	155
671.7781	56.3404	112.7376	5	6.33	02-Feb-00	14:24:03	B	0	156
672.4577	26.9074	219.6468	3	6.33	02-Feb-00	14:24:50	B	0	157
672.4783	61.4318	99.4032	1	6.33	02-Feb-00	14:26:25	B	0	158
674.687	61.2237	105.68	1	6.33	02-Feb-00	14:31:34	B	0	159
675.2072	35.4494	137.0222	2	6.33	02-Feb-00	14:32:47	B	0	160
674.6128	49.8019	82.7672	5	6.33	02-Feb-00	14:33:51	B	0	161
676.1988	28.8827	123.4202	1	6.33	02-Feb-00	14:40:52	B	0	162
675.6839	59.282	62.5755	4	6.33	02-Feb-00	14:41:33	B	0	163
675.7802	62.9157	48.8851	4	6.33	02-Feb-00	14:41:51	B	0	164
675.7385	59.5683	89.6487	4	6.33	02-Feb-00	14:42:07	B	0	165
676.8311	64.3361	17.089	1	6.33	02-Feb-00	15:26:52	B	0	166
677.1625	80.5227	327.4272	5	6.33	02-Feb-00	15:27:07	B	0	167
676.9917	26.6845	128.2649	3	6.33	02-Feb-00	15:27:41	B	0	168
677.4886	28.2045	149.0343	1	6.33	02-Feb-00	15:29:10	B	0	169
677.5288	57.0736	74.6503	4	6.33	02-Feb-00	15:41:31	B	0	170
677.9608	75.0122	301.9023	4	6.33	02-Feb-00	15:43:30	B	0	171
677.7681	67.4431	109.0935	4	6.33	02-Feb-00	15:43:49	B	0	172
678.2	31.1126	140.2868	1	6.33	02-Feb-00	15:44:51	B	0	173
678.5758	26.2076	139.4229	1	6.33	02-Feb-00	15:45:07	B	0	174
678.4764	41.4404	143.1311	2	6.33	02-Feb-00	15:45:26	B	0	175
678.3421	75.8177	334.3568	2	6.33	02-Feb-00	15:45:43	B	0	176
678.4344	31.4009	143.1465	3	6.33	02-Feb-00	15:46:27	B	0	177
678.2746	47.2486	301.8816	4	6.33	02-Feb-00	15:46:48	B	0	178
678.2959	62.1702	83.9148	4	6.33	02-Feb-00	15:47:03	B	0	179
678.4865	75.3264	322.0746	4	6.33	02-Feb-00	15:47:20	B	0	180
678.8128	72.7715	327.292	5	6.33	02-Feb-00	15:47:51	B	0	181
678.8055	43.278	336.0995	4	6.33	02-Feb-00	15:48:15	B	0	182
679.4303	41.0499	166.659	4	6.33	02-Feb-00	15:49:41	B	0	183
680.5386	68.9094	284.1003	4	6.33	02-Feb-00	15:51:28	B	0	184
680.9135	67.5062	53.1875	3	6.33	02-Feb-00	15:53:21	B	0	185
680.1243	80.5585	333.0774	4	6.33	02-Feb-00	15:54:28	B	0	186
680.9465	40.1254	70.6165	2	6.33	02-Feb-00	15:55:37	B	0	187
680.9918	33.897	97.3508	2	6.33	02-Feb-00	15:55:50	B	0	188
681.0076	46.5936	40.9374	4	6.33	02-Feb-00	15:56:24	B	0	189
681.1415	56.4189	64.9556	5	6.33	02-Feb-00	15:58:56	B	0	191
681.2781	60.7324	63.145	5	6.33	02-Feb-00	15:59:02	B	0	192
681.6881	49.9082	52.0272	3	6.33	02-Feb-00	16:41:15	B	0	193
682.0842	59.1689	85.7875	2	6.33	02-Feb-00	16:41:40	B	0	194
682.0049	46.3525	70.6488	3	6.33	02-Feb-00	16:42:11	B	0	195
682.2208	47.7051	47.6611	4	6.33	02-Feb-00	16:42:43	B	0	196
682.2125	57.183	48.1415	4	6.33	02-Feb-00	16:43:08	B	0	197
682.1356	70.2232	74.2649	4	6.33	02-Feb-00	16:43:21	B	0	198
684.4101	63.4351	98.3967	3	6.33	02-Feb-00	16:49:49	B	0	199
685.036	49.9668	29.8584	2	6.33	02-Feb-00	16:50:59	B	0	200
685.0861	52.5195	28.3716	3	6.33	02-Feb-00	16:51:19	B	0	201
685.287	44.9275	42.2844	3	6.33	02-Feb-00	16:51:29	B	0	202
684.9866	53.4115	20.5645	4	6.33	02-Feb-00	16:51:48	B	0	203
685.4995	32.5417	46.7268	4	6.33	02-Feb-00	16:52:02	B	0	204

Table App 9.2 - Discontinuity data file generated from the UBI TTWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
685.5152	69.4241	111.3424	5	6.33	02-Feb-00	16:52:23	B	0	205
686.5134	82.488	60.0693	3	6.33	02-Feb-00	16:53:25	B	0	206
686.1328	52.1375	76.4723	4	6.33	02-Feb-00	16:53:42	B	0	207
686.2886	46.1676	90.5179	4	6.33	02-Feb-00	16:53:46	B	0	208
686.2378	23.9411	84.6833	4	6.33	02-Feb-00	16:53:53	B	0	209
686.3391	50.7371	96.3584	4	6.33	02-Feb-00	16:54:01	B	0	210
686.5587	82.9011	61.732	3	6.33	02-Feb-00	17:00:38	B	0	211
686.0237	81.065	327.7555	4	6.33	02-Feb-00	17:01:18	B	0	212
686.9563	52.1696	165.253	1	6.33	02-Feb-00	17:02:32	B	0	213
686.905	34.594	184.968	3	6.33	02-Feb-00	17:03:06	B	0	214
686.8391	67.6324	155.486	4	6.33	02-Feb-00	17:03:23	B	0	215
686.5112	71.4184	236.0213	4	6.33	02-Feb-00	17:03:45	B	0	216
686.7079	69.6236	104.0826	4	6.33	02-Feb-00	17:03:52	B	0	217
687.6113	73.3298	149.7477	2	6.33	02-Feb-00	17:10:06	B	0	218
688.4595	61.5997	168.3871	2	6.33	02-Feb-00	17:10:20	B	0	219
687.4169	51.0795	10.2293	3	6.33	02-Feb-00	17:14:36	B	0	220
687.4753	68.9542	109.8961	3	6.33	02-Feb-00	17:15:02	B	0	221
687.4313	73.0808	110.7152	4	6.33	02-Feb-00	17:16:27	B	0	222
687.838	69.606	97.9811	4	6.33	02-Feb-00	17:16:39	B	0	223
687.7737	57.2662	302.8035	2	6.33	02-Feb-00	17:17:16	B	0	224
688.2072	62.3426	34.6361	2	6.33	02-Feb-00	17:17:29	B	0	225
687.8629	56.9203	342.3668	4	6.33	02-Feb-00	17:17:56	B	0	226
688.2081	53.439	280.2796	4	6.33	02-Feb-00	17:18:14	B	0	227
687.8534	67.8091	96.9655	4	6.33	02-Feb-00	17:21:27	B	0	228
688.0121	52.6359	258.2119	4	6.33	02-Feb-00	17:21:31	B	0	229
688.3777	48.9424	336.6526	3	6.33	02-Feb-00	17:21:57	B	0	230
688.3713	48.3042	190.0447	3	6.33	02-Feb-00	17:22:32	B	0	231
688.5817	70.7592	62.8225	3	6.33	02-Feb-00	17:22:41	B	0	232
689.8702	72.8353	3.5162	2	6.33	02-Feb-00	17:25:37	B	0	234
690.0475	67.8168	95.2269	2	6.33	02-Feb-00	17:25:55	B	0	235
689.924	62.4613	155.3029	5	6.33	02-Feb-00	17:26:17	B	0	236
690.1771	36.7619	161.698	3	6.33	02-Feb-00	17:26:40	B	0	237
690.4273	59.3046	76.72	4	6.33	02-Feb-00	17:27:06	B	0	238
691.0354	52.4115	36.6261	2	6.33	03-Feb-00	08:42:26	B	0	239
690.9763	57.85	43.0503	3	6.33	03-Feb-00	08:42:57	B	0	240
691.3279	67.1627	76.3568	3	6.33	03-Feb-00	08:43:15	B	0	241
692.4823	66.5654	61.0077	2	6.33	03-Feb-00	08:49:23	B	0	242
692.69	56.3067	124.0306	5	6.33	03-Feb-00	08:58:12	B	0	244
693.4304	77.3693	163.83	2	6.33	03-Feb-00	08:58:52	B	0	245
693.1925	74.6904	52.5241	4	6.33	03-Feb-00	08:59:40	B	0	246
693.0106	79.3494	75.868	4	6.33	03-Feb-00	08:59:48	B	0	247
693.1987	64.6199	67.2139	4	6.33	03-Feb-00	09:00:02	B	0	248
693.3701	60.798	75.4768	4	6.33	03-Feb-00	09:00:09	B	0	249
693.6968	52.7316	285.2184	3	6.33	03-Feb-00	09:00:28	B	0	250
692.8212	84.5224	282.0258	5	6.33	03-Feb-00	09:01:41	B	0	251
694.2704	85.9917	90.9804	5	6.33	03-Feb-00	09:01:46	B	0	252
692.1613	87.1569	272.4882	5	6.33	03-Feb-00	09:01:55	B	0	253
692.5967	86.4055	271.816	5	6.33	03-Feb-00	09:01:58	B	0	254
694.4822	83.5326	353.7636	5	6.33	03-Feb-00	09:03:59	B	0	257

Table App 9.2 - Discontinuity data file generated from the UBI TTWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
694.7819	65.6175	211.061	5	6.33	03-Feb-00	09:04:10	B	0	258
695.0322	56.7064	69.3294	3	6.33	03-Feb-00	09:05:37	B	0	259
695.8571	72.6652	186.2338	3	6.33	03-Feb-00	09:06:04	B	0	260
696.6992	44.639	106.0618	2	6.33	03-Feb-00	09:06:58	B	0	261
696.7488	40.8046	136.4961	3	6.33	03-Feb-00	09:07:23	B	0	262
696.5762	42.766	279.1725	4	6.33	03-Feb-00	09:07:43	B	0	263
698.8286	71.9308	38.3644	2	6.3398	03-Feb-00	09:09:58	B	0	264
698.579	29.0388	229.7889	3	6.33	03-Feb-00	09:10:22	B	0	265
698.6252	49.8028	212.3734	4	6.33	03-Feb-00	09:10:44	B	0	266
698.1054	58.996	13.8185	3	6.33	03-Feb-00	09:13:08	B	0	267
698.5513	73.0366	218.0912	5	6.33	03-Feb-00	09:17:07	B	0	268
699.9721	74.3528	114.9676	1	6.33	03-Feb-00	09:18:57	B	0	269
699.9558	70.3089	111.9612	1	6.33	03-Feb-00	09:19:06	B	0	270
699.6816	63.0847	122.7895	2	6.33	03-Feb-00	09:19:38	B	0	271
700.5219	70.764	12.665	2	6.33	03-Feb-00	09:19:58	B	0	272
700.3404	56.8691	39.4108	4	6.33	03-Feb-00	09:20:35	B	0	273
700.5993	68.5309	195.5942	4	6.33	03-Feb-00	09:20:47	B	0	274
701.094	86.266	11.0856	5	6.33	03-Feb-00	09:21:03	B	0	275
700.7796	39.0327	310.8307	5	6.33	03-Feb-00	09:21:13	B	0	276
700.5214	53.7346	97.4822	5	6.33	03-Feb-00	09:21:21	B	0	277
700.7384	52.5085	358.3889	5	6.33	03-Feb-00	09:21:35	B	0	278
701.2333	53.7542	322.7109	2	6.33	03-Feb-00	09:22:38	B	0	279
700.5911	70.9314	198.4995	5	6.33	03-Feb-00	09:22:52	B	0	280
702.8317	70.6534	12.771	1	6.33	03-Feb-00	09:23:25	B	0	281
703.1163	73.7436	128.7346	5	6.33	03-Feb-00	09:23:50	B	0	282
702.191	8.9738	5.4704	5	6.33	03-Feb-00	09:24:05	B	0	283
703.9479	44.4798	332.2641	2	6.33	03-Feb-00	09:25:31	B	0	284
703.7505	79.1512	350.929	5	6.33	03-Feb-00	09:27:14	B	0	285
703.9523	51.3207	63.2107	5	6.33	03-Feb-00	09:27:19	B	0	286
704.0417	61.2817	130.6248	3	6.33	03-Feb-00	09:29:30	B	0	287
703.9785	73.008	97.9216	3	6.33	03-Feb-00	09:29:42	B	0	288
704.1307	70.3707	126.7026	4	6.33	03-Feb-00	09:30:01	B	0	289
703.9351	82.2954	83.5367	4	6.33	03-Feb-00	09:30:05	B	0	290
704.3682	61.6474	331.2972	4	6.33	03-Feb-00	09:30:15	B	0	291
704.7552	47.5249	177.1546	3	6.33	03-Feb-00	09:31:26	B	0	292
705.5553	69.5384	148.9639	1	6.33	03-Feb-00	09:31:44	B	0	293
704.9924	59.2063	220.9648	4	6.33	03-Feb-00	09:32:16	B	0	294
705.2921	63.676	44.5377	4	6.33	03-Feb-00	09:32:46	B	0	295
705.2714	29.2101	243.0663	5	6.33	03-Feb-00	09:33:55	B	0	296
706.5288	68.1132	43.7277	3	6.33	03-Feb-00	09:34:29	B	0	297
706.8315	70.6387	157.2515	5	6.3299	03-Feb-00	09:34:50	B	0	298
706.9555	26.6271	214.9034	2	6.3216	03-Feb-00	09:35:24	B	0	299
706.4353	83.4215	156.1574	5	6.33	03-Feb-00	09:35:51	B	0	300
706.9407	84.9364	156.0741	5	6.3226	03-Feb-00	09:36:11	B	0	301
707.1501	44.6229	123.5134	3	6.302	03-Feb-00	09:37:03	B	0	302
707.686	66.1294	106.8158	1	6.33	03-Feb-00	09:37:49	B	0	303
707.7802	71.3578	121.5779	2	6.324	03-Feb-00	09:38:09	B	0	304
707.8868	22.5435	135.7002	4	6.3026	03-Feb-00	09:38:34	B	0	305
708.3243	60.0623	104.7791	4	6.3	03-Feb-00	09:40:33	B	0	306

Table App 9.2 - Discontinuity data file generated from the UBI TTWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
708.4662	62.8491	134.791	2	6.3212	03-Feb-00	09:41:17	B	0	307
708.506	70.2694	114.5232	3	6.3292	03-Feb-00	09:41:41	B	0	308
708.3679	74.0765	108.1887	4	6.3016	03-Feb-00	09:42:24	B	0	309
708.6772	59.9002	132.2606	3	6.33	03-Feb-00	09:42:57	B	0	310
708.6488	69.6641	147.1602	3	6.33	03-Feb-00	09:43:10	B	0	311
708.8137	64.2894	123.9464	3	6.33	03-Feb-00	09:43:34	B	0	312
709.0901	76.1048	3.3239	3	6.33	03-Feb-00	09:43:53	B	0	313
709.1002	56.3022	133.428	5	6.33	03-Feb-00	09:49:13	B	0	314
709.0444	67.9879	121.3302	5	6.33	03-Feb-00	09:49:18	B	0	315
708.811	79.3711	5.1311	4	6.33	03-Feb-00	09:50:56	B	0	316
712.6045	71.7706	174.4953	2	6.3	03-Feb-00	09:52:02	B	0	317
712.3931	75.0372	39.4497	3	6.3051	03-Feb-00	09:52:29	B	0	318
712.7351	71.982	9.8795	4	6.3	03-Feb-00	09:52:50	B	0	319
713.5701	87.4727	344.5352	4	6.312	03-Feb-00	09:54:51	B	0	320
713.3126	66.8239	49.0308	3	6.3055	03-Feb-00	09:55:13	B	0	321
712.8952	73.3332	338.425	5	6.3	03-Feb-00	09:55:57	B	0	322
712.8095	61.3502	7.8397	4	6.3	03-Feb-00	09:56:19	B	0	323
713.131	57.6373	125.3554	5	6.3	03-Feb-00	09:58:51	B	0	324
713.7416	67.4266	35.6447	5	6.3131	03-Feb-00	09:59:03	B	0	325
714.3028	76.7953	148.0018	5	6.3	03-Feb-00	10:02:08	B	0	326
715.4235	57.8035	354.3958	5	6.3	03-Feb-00	10:02:33	B	0	327
716.661	81.0157	346.4099	4	6.33	03-Feb-00	10:04:46	B	0	328
714.6198	73.6408	318.1406	5	6.3	03-Feb-00	10:05:34	B	0	329
716.1896	70.4123	49.7883	5	6.33	03-Feb-00	10:06:35	B	0	330
717.9418	74.556	117.9764	5	6.33	03-Feb-00	10:06:47	B	0	331
718.3312	66.8139	74.5341	4	6.33	03-Feb-00	10:07:01	B	0	332
716.8741	67.0132	156.0036	5	6.33	03-Feb-00	10:07:19	B	0	333
718.6142	42.1631	69.1552	4	6.33	03-Feb-00	10:12:43	B	0	334
718.3807	50.0478	100.5457	4	6.33	03-Feb-00	10:12:54	B	0	335
718.7494	35.938	106.5156	5	6.3241	03-Feb-00	10:13:12	B	0	336
719.1949	75.997	55.4438	1	6.3	03-Feb-00	10:15:42	B	0	337
718.7638	71.0455	149.0412	4	6.3212	03-Feb-00	10:16:06	B	0	338
718.5919	79.7056	345.3563	4	6.33	03-Feb-00	10:16:12	B	0	339
719.1591	74.7899	23.264	3	6.3	03-Feb-00	10:20:38	B	0	340
719.3373	73.4881	71.8929	1	6.3	03-Feb-00	10:21:28	B	0	341
719.4153	67.324	67.1821	3	6.3	03-Feb-00	10:22:09	B	0	342
719.1702	39.6194	35.4172	3	6.3	03-Feb-00	10:22:33	B	0	343
719.4864	61.7403	65.3246	4	6.3	03-Feb-00	10:22:51	B	0	344
719.9658	61.5675	105.6501	4	6.3	03-Feb-00	10:23:09	B	0	345
720.4553	70.2323	98.1501	4	6.3082	03-Feb-00	10:23:23	B	0	346
720.5222	64.5952	100.3797	4	6.3165	03-Feb-00	10:23:43	B	0	347
720.6113	66.83	107.6727	3	6.3241	03-Feb-00	10:24:11	B	0	348
720.679	53.3505	84.0931	3	6.3286	03-Feb-00	10:24:21	B	0	349
720.7863	51.3256	88.2966	3	6.33	03-Feb-00	10:24:26	B	0	350
721.2255	77.103	75.8149	3	6.3018	03-Feb-00	10:24:34	B	0	351
722.3365	65.5056	101.5354	1	6.28	03-Feb-00	10:25:57	B	0	352
722.1623	56.5963	199.4687	1	6.28	03-Feb-00	10:26:07	B	0	353
721.114	30.9895	223.8227	3	6.2944	03-Feb-00	10:26:30	B	0	354
721.7081	61.2027	104.5686	3	6.3077	03-Feb-00	10:26:46	B	0	355

Table App 9.2 - Discontinuity data file generated from the UBI TTWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
722.4812	74.5242	164.5448	5	6.28	03-Feb-00	10:27:31	B	0	356
723.2437	73.4581	196.8445	5	6.28	03-Feb-00	10:31:53	B	0	357
724.2747	61.7635	95.8467	1	6.3247	03-Feb-00	10:33:03	B	0	358
723.8217	72.8336	310.3321	5	6.2896	03-Feb-00	10:33:14	B	0	359
724.3296	68.7537	165.1831	4	6.3281	03-Feb-00	10:33:34	B	0	360
724.6108	46.2206	90.8435	4	6.33	03-Feb-00	10:33:52	B	0	361
725.3796	79.1669	234.309	4	6.33	03-Feb-00	10:34:07	B	0	362
725.1027	85.155	320.8002	5	6.33	03-Feb-00	10:34:29	B	0	363
725.697	66.0126	346.1279	2	6.33	03-Feb-00	10:35:36	B	0	364
726.6575	57.1963	4.6878	3	6.33	03-Feb-00	10:36:01	B	0	365
726.8681	58.8041	252.2118	4	6.33	03-Feb-00	10:36:19	B	0	366
727.1133	79.6999	207.7252	5	6.33	03-Feb-00	10:36:35	B	0	367
726.1656	50.7333	99.0907	5	6.33	03-Feb-00	10:37:01	B	0	368
727.1475	74.7364	175.5124	2	6.33	03-Feb-00	10:38:51	B	0	369
727.5809	67.9296	34.7752	1	6.33	03-Feb-00	10:39:16	B	0	370
728.1722	70.8436	135.1144	3	6.33	03-Feb-00	10:39:44	B	0	371
727.9365	56.9425	174.5508	5	6.33	03-Feb-00	10:40:04	B	0	372
728.6805	61.7714	184.1078	3	6.33	03-Feb-00	10:42:04	B	0	373
728.891	68.7059	334.0593	4	6.33	03-Feb-00	10:42:36	B	0	374
728.6934	66.0487	353.0672	4	6.33	03-Feb-00	10:42:47	B	0	375
730.0807	45.6308	74.8913	5	6.33	03-Feb-00	10:43:08	B	0	376
730.307	56.1882	189.3968	4	6.33	03-Feb-00	10:43:45	B	0	377
730.8408	65.3706	266.3589	4	6.33	03-Feb-00	10:43:57	B	0	378
732.312	66.3359	59.6129	1	6.33	03-Feb-00	10:44:42	B	0	379
732.5582	84.5798	53.3116	5	6.33	03-Feb-00	10:44:58	B	0	380
734.1516	62.6523	47.2493	4	6.33	03-Feb-00	10:45:38	B	0	381
733.8473	83.3863	318.5948	5	6.33	03-Feb-00	10:45:56	B	0	382
734.3391	79.4121	119.3366	5	6.33	03-Feb-00	10:46:12	B	0	383
734.6508	74.7773	97.5503	4	6.33	03-Feb-00	10:46:25	B	0	384
736.3613	62.2035	25.3103	2	6.33	03-Feb-00	10:47:24	B	0	385
737.8546	69.3935	141.8968	1	6.33	03-Feb-00	10:48:12	B	0	386
737.7901	77.1591	165.7635	5	6.33	03-Feb-00	10:48:40	B	0	387
737.7799	75.0278	170.5254	5	6.33	03-Feb-00	10:48:48	B	0	388
738.0428	73.8457	162.6846	5	6.33	03-Feb-00	10:48:56	B	0	389
737.8455	71.0639	145.891	3	6.33	03-Feb-00	10:49:46	B	0	390
737.9265	72.3848	145.9804	5	6.33	03-Feb-00	10:50:05	B	0	391
738.1772	74.0798	172.9849	4	6.33	03-Feb-00	10:50:22	B	0	392
738.4105	66.5585	153.5975	4	6.33	03-Feb-00	10:50:28	B	0	393
738.4911	67.5841	160.0861	4	6.33	03-Feb-00	10:50:33	B	0	394
738.609	70.1752	148.415	3	6.33	03-Feb-00	10:50:55	B	0	395
738.7263	71.1983	138.8013	3	6.33	03-Feb-00	10:51:02	B	0	396
738.9847	63.1641	47.2245	2	6.33	03-Feb-00	10:51:35	B	0	397
741.6622	73.7941	185.0517	5	6.33	03-Feb-00	10:53:00	B	0	398
745.7172	64.7703	36.5449	1	6.33	03-Feb-00	10:59:05	B	0	399
748.1331	61.21	57.1273	3	6.33	03-Feb-00	10:59:41	B	0	400
749.0258	69.1446	217.4735	2	6.33	03-Feb-00	11:00:06	B	0	401
748.5978	54.573	169.7127	4	6.33	03-Feb-00	11:00:21	B	0	402
749.9746	74.3816	98.3417	4	6.329	03-Feb-00	11:00:28	B	0	403
753.2049	62.6042	32.6349	3	6.4	03-Feb-00	11:01:24	B	0	404

Table App 9.2 - Discontinuity data file generated from the UBI TTWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
756.6185	53.4792	33.2905	2	6.4	03-Feb-00	11:02:18	B	0	405
757.2217	52.7752	44.2136	1	6.4	03-Feb-00	11:03:14	B	0	406
758.7476	57.0448	34.7179	3	6.4	03-Feb-00	11:03:47	B	0	407
760.4473	47.8068	46.2631	2	6.352	03-Feb-00	11:04:25	B	0	408
763.3494	42.7526	27.9748	3	6.35	03-Feb-00	11:10:36	B	0	409
763.6451	45.3723	36.712	4	6.35	03-Feb-00	11:10:56	B	0	410
765.7456	48.5483	29.7843	1	6.3914	03-Feb-00	11:11:32	B	0	411
766.4145	55.5726	41.7962	2	6.3596	03-Feb-00	11:11:49	B	0	412
766.7803	69.7954	71.9211	4	6.3875	03-Feb-00	11:12:11	B	0	413
769.2098	49.0302	53.4564	3	6.3869	03-Feb-00	11:12:56	B	0	414
773.248	44.4472	53.8834	3	6.3893	03-Feb-00	11:13:44	B	0	415
773.6623	58.6908	93.682	4	6.4	03-Feb-00	11:20:13	B	0	416
773.8823	73.9051	88.5036	4	6.4	03-Feb-00	11:20:21	B	0	417
774.3477	67.4295	346.6893	5	6.4	03-Feb-00	11:20:45	B	0	418
778.3153	68.0071	21.1748	1	6.3904	03-Feb-00	11:21:15	B	0	419
777.7856	51.7978	81.8032	3	6.3857	03-Feb-00	11:21:42	B	0	420
780.3357	62.4383	27.5625	2	6.4	03-Feb-00	11:22:29	B	0	421
782.2217	63.4714	62.1337	2	6.4	03-Feb-00	11:22:38	B	0	422
780.0237	65.3058	88.6646	3	6.4	03-Feb-00	11:22:54	B	0	423
782.0545	65.9853	350.9529	5	6.4	03-Feb-00	11:23:11	B	0	424
784.2992	59.9152	82.0142	1	6.4	03-Feb-00	11:23:48	B	0	425
783.7227	74.2778	81.4047	2	6.4	03-Feb-00	11:24:18	B	0	426
790.9496	0	182.6129	2	6.0001	03-Feb-00	11:26:36	B	0	427

Table App 9.2 - Discontinuity data file generated from the UBI TTWF imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
630.7372	67.618	40.1715	1	6.33	06-Apr-00	09:46:51	F	0	1
632.1884	71.4871	12.3277	1	6.33	06-Apr-00	09:50:13	F	0	2
633.1615	19.4926	116.4394	1	6.33	06-Apr-00	09:50:32	F	0	3
634.2781	43.0146	164.0688	1	6.33	06-Apr-00	09:50:44	F	0	4
633.8547	14.9297	113.9118	1	6.33	06-Apr-00	09:50:50	F	0	5
630.5981	38.1628	211.8719	1	6.33	06-Apr-00	09:51:01	F	0	6
632.7494	41.3822	320.6575	1	6.33	06-Apr-00	09:51:13	F	0	7
633.7025	77.052	21.4384	1	6.33	06-Apr-00	09:51:30	F	0	8
634.6713	56.4678	143.4398	2	6.33	06-Apr-00	09:52:15	F	0	9
633.6194	20.6862	80.9459	2	6.33	06-Apr-00	09:52:55	F	0	10
632.3105	59.3592	51.9719	4	6.33	06-Apr-00	09:53:22	F	0	11
631.6039	71.7638	30.1035	4	6.33	06-Apr-00	09:54:09	F	0	12
635.1503	63.4098	356.5554	1	6.33	06-Apr-00	09:55:47	F	0	13
635.9869	74.306	11.1147	1	6.33	06-Apr-00	09:56:10	F	0	14
636.1058	73.9399	14.7056	1	6.33	06-Apr-00	09:56:19	F	0	15
636.5225	44.3805	150.8273	1	6.33	06-Apr-00	09:56:38	F	0	16
638.188	55.029	55.066	1	6.33	06-Apr-00	09:56:55	F	0	17
638.5476	59.3507	146.6643	1	6.33	06-Apr-00	09:58:26	F	0	18
638.6524	57.1664	150.4526	1	6.33	06-Apr-00	09:58:37	F	0	19
638.0435	74.6702	40.4051	2	6.33	06-Apr-00	09:59:14	F	0	20
637.9926	78.9508	46.9707	3	6.33	06-Apr-00	09:59:48	F	0	21
636.9006	66.9445	41.0408	3	6.33	06-Apr-00	10:00:51	F	0	22
635.6613	47.8266	83.377	4	6.33	06-Apr-00	10:01:27	F	0	23
634.8892	55.563	176.0408	2	6.33	06-Apr-00	10:01:55	F	0	24
635.2881	62.785	168.8101	5	6.33	06-Apr-00	10:02:23	F	0	25
636.2495	64.6312	167.0433	4	6.33	06-Apr-00	10:04:37	F	0	26
636.9728	78.2031	169.3061	5	6.33	06-Apr-00	10:05:01	F	0	27
637.645	83.2507	356.2742	4	6.33	06-Apr-00	10:05:33	F	0	28
638.495	85.5476	132.3871	5	6.33	06-Apr-00	10:05:58	F	0	29
639.2645	74.2863	344.4565	1	6.33	06-Apr-00	10:18:22	F	0	30
639.8312	57.9036	204.352	1	6.33	06-Apr-00	10:18:38	F	0	31
640.6676	51.5462	201.2025	1	6.33	06-Apr-00	10:18:53	F	0	32
640.6885	55.3583	30.7308	1	6.33	06-Apr-00	10:19:04	F	0	33
641.5641	43.4319	188.7249	1	6.33	06-Apr-00	10:19:15	F	0	34
641.9825	67.9587	9.0531	1	6.33	06-Apr-00	10:19:53	F	0	35
642.1007	64.3231	12.2474	1	6.33	06-Apr-00	10:20:04	F	0	36
641.186	69.3	4.8376	2	6.33	06-Apr-00	10:20:36	F	0	37
638.9628	50.0686	135.0771	2	6.33	06-Apr-00	10:20:48	F	0	38
639.4104	74.3569	37.1422	3	6.33	06-Apr-00	10:21:27	F	0	39
639.4834	62.415	38.4418	3	6.33	06-Apr-00	10:21:36	F	0	40
639.1585	48.1318	193.5373	3	6.33	06-Apr-00	10:21:51	F	0	41
639.9635	81.1528	325.1059	3	6.33	06-Apr-00	10:22:07	F	0	42
640.4819	80.5555	315.1365	3	6.33	06-Apr-00	10:22:14	F	0	43
640.4161	56.3372	270.6266	2	6.33	06-Apr-00	10:26:24	F	0	44
641.2599	50.0693	237.7072	3	6.33	06-Apr-00	10:26:50	F	0	45
640.9031	60.7183	161.1327	4	6.33	06-Apr-00	10:27:12	F	0	46
641.7592	76.0369	345.5827	3	6.33	06-Apr-00	10:27:32	F	0	47
643.0422	65.8061	8.2239	1	6.33	06-Apr-00	12:04:52	F	0	48
644.621	71.1522	35.2284	1	6.33	06-Apr-00	12:05:06	F	0	49
644.1804	69.7346	47.8349	1	6.33	06-Apr-00	12:05:19	F	0	50
642.455	75.256	326.57	3	6.33	06-Apr-00	12:05:55	F	0	51

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
643.7983	49.534	334.3285	4	6.33	06-Apr-00	12:06:12	F	0	52
644.2038	54.6405	292.0065	4	6.33	06-Apr-00	12:06:41	F	0	53
644.0223	61.6184	203.8258	3	6.33	06-Apr-00	12:06:53	F	0	54
644.9033	25.5875	188.1131	2	6.33	06-Apr-00	12:07:13	F	0	55
645.1913	52.4935	48.875	4	6.33	06-Apr-00	12:07:26	F	0	56
645.3152	70.826	227.8321	5	6.33	06-Apr-00	12:07:38	F	0	57
645.6047	56.1635	310.4678	1	6.33	06-Apr-00	12:08:15	F	0	58
645.5922	51.3213	87.1926	2	6.33	06-Apr-00	12:08:27	F	0	59
646.3881	61.4334	59.6708	2	6.33	06-Apr-00	12:10:08	F	0	62
646.0415	59.3607	324.0905	4	6.33	06-Apr-00	12:10:25	F	0	63
646.2056	65.2843	95.4324	3	6.33	06-Apr-00	12:10:39	F	0	64
646.374	23.2664	209.8433	4	6.33	06-Apr-00	12:10:57	F	0	65
647.0164	58.0596	331.7784	3	6.33	06-Apr-00	12:11:10	F	0	66
646.6989	51.7195	70.5578	4	6.33	06-Apr-00	12:11:41	F	0	67
647.0079	37.5508	199.0012	4	6.33	06-Apr-00	12:11:51	F	0	68
647.3857	66.6564	28.8929	1	6.33	06-Apr-00	12:12:01	F	0	69
649.1662	73.5784	45.4308	2	6.33	06-Apr-00	12:12:19	F	0	70
649.1331	65.5387	65.1448	2	6.33	06-Apr-00	12:12:36	F	0	71
648.9289	74.294	247.2584	3	6.33	06-Apr-00	12:13:11	F	0	72
647.7611	64.2257	331.1793	5	6.33	06-Apr-00	12:13:38	F	0	73
648.0406	45.2179	193.1742	5	6.33	06-Apr-00	12:13:50	F	0	74
648.0087	63.3779	109.5062	4	6.33	06-Apr-00	12:14:11	F	0	75
647.943	66.9066	49.5978	3	6.33	06-Apr-00	12:14:28	F	0	76
647.6891	58.467	61.8713	1	6.33	06-Apr-00	12:14:43	F	0	77
647.4245	28.3072	193.2775	3	6.33	06-Apr-00	12:15:12	F	0	78
647.6417	33.3639	165.5	3	6.33	06-Apr-00	12:15:27	F	0	79
647.2604	78.1158	229.1222	4	6.33	06-Apr-00	12:16:13	F	0	80
648.5242	65.4757	105.3193	3	6.33	06-Apr-00	12:16:33	F	0	81
648.5665	45.7295	163.667	2	6.33	06-Apr-00	12:16:44	F	0	82
648.6205	69.816	158.7858	4	6.33	06-Apr-00	12:17:03	F	0	83
649.0642	74.6975	311.2086	4	6.33	06-Apr-00	12:17:54	F	0	84
649.5696	78.8273	266.2192	3	6.33	06-Apr-00	12:52:42	F	0	85
649.8252	31.1136	179.344	4	6.33	06-Apr-00	12:52:57	F	0	86
648.2592	45.6168	195.8697	3	6.33	06-Apr-00	12:53:13	F	0	87
649.8341	58.0944	340.2768	5	6.33	06-Apr-00	12:53:22	F	0	88
648.9738	72.4052	273.3365	4	6.33	06-Apr-00	12:53:39	F	0	89
648.2101	62.4191	87.5279	3	6.33	06-Apr-00	12:53:57	F	0	90
646.577	82.2101	37.3087	5	6.33	06-Apr-00	12:54:06	F	0	91
650.509	65.6982	36.7962	2	6.33	06-Apr-00	13:15:51	F	0	92
650.8521	62.5346	35.8058	2	6.33	06-Apr-00	13:16:01	F	0	93
650.6178	34.2719	173.1621	4	6.33	06-Apr-00	13:16:13	F	0	94
651.1012	69.0443	345.4258	3	6.33	06-Apr-00	13:16:35	F	0	95
651.2047	67.0226	26.3876	1	6.33	06-Apr-00	13:16:45	F	0	96
651.7694	70.783	22.3494	2	6.33	06-Apr-00	13:16:57	F	0	97
651.3886	70.1763	28.0217	3	6.33	06-Apr-00	13:17:11	F	0	98
651.337	52.2526	214.0022	4	6.33	06-Apr-00	13:18:30	F	0	99
651.3491	55.7581	154.4844	4	6.33	06-Apr-00	13:18:45	F	0	100
651.433	70.4173	318.0369	4	6.33	06-Apr-00	13:18:56	F	0	101
651.9294	62.853	52.9798	3	6.33	06-Apr-00	13:19:44	F	0	102
651.7018	24.803	157.3665	5	6.33	06-Apr-00	13:20:05	F	0	103
651.7208	65.8653	127.4242	3	6.33	06-Apr-00	13:20:39	F	0	104

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
652.253	65.2912	53.2764	1	6.33	06-Apr-00	13:21:09	F	0	105
652.3544	67.6923	48.4012	1	6.33	06-Apr-00	13:21:22	F	0	106
652.6849	62.101	83.3777	3	6.33	06-Apr-00	13:21:38	F	0	107
652.4913	79.8018	30.9238	3	6.33	06-Apr-00	13:22:15	F	0	108
653.0834	52.2081	83.8859	3	6.33	06-Apr-00	13:23:09	F	0	109
653.2982	52.2716	92.0108	3	6.33	06-Apr-00	13:23:18	F	0	110
653.3941	73.4642	251.2152	3	6.33	06-Apr-00	13:23:33	F	0	111
653.4167	71.0545	109.6632	4	6.33	06-Apr-00	13:23:47	F	0	112
653.1565	69.686	314.425	4	6.33	06-Apr-00	13:24:19	F	0	113
656.8165	68.2562	37.8338	1	6.33	06-Apr-00	13:25:28	F	0	114
656.3841	63.4747	296.157	1	6.3511	06-Apr-00	13:25:40	F	0	115
655.4048	58.5793	308.6085	2	6.33	06-Apr-00	13:26:13	F	0	116
655.5297	53.9124	40.6688	1	6.338	06-Apr-00	13:26:40	F	0	117
655.6169	48.2097	167.0091	3	6.3496	06-Apr-00	13:26:58	F	0	118
654.9697	68.4088	339.0908	4	6.33	06-Apr-00	13:27:21	F	0	119
654.5475	59.4032	26.494	4	6.33	06-Apr-00	13:27:34	F	0	120
654.0964	77.5549	31.2287	5	6.33	06-Apr-00	13:27:41	F	0	121
654.0877	71.8142	22.1203	5	6.33	06-Apr-00	13:27:49	F	0	122
654.0691	72.6344	119.4516	5	6.33	06-Apr-00	13:28:00	F	0	123
654.3419	56.9173	317.0792	3	6.33	06-Apr-00	13:28:19	F	0	124
654.6224	52.0369	274.4744	3	6.33	06-Apr-00	13:28:37	F	0	125
656.3278	74.879	29.5377	3	6.3617	06-Apr-00	13:29:07	F	0	126
656.8297	67.9367	331.0773	4	6.33	06-Apr-00	13:29:20	F	0	127
657.3073	28.1985	152.0851	5	6.33	06-Apr-00	13:29:45	F	0	128
657.1757	30.0532	334.0653	5	6.33	06-Apr-00	13:29:59	F	0	129
657.5322	58.376	319.7498	4	6.33	06-Apr-00	13:30:09	F	0	130
657.6357	67.3726	326.5466	4	6.33	06-Apr-00	13:30:23	F	0	131
657.7596	56.8908	337.2513	3	6.33	06-Apr-00	13:30:37	F	0	132
657.8548	56.6059	341.2767	3	6.3363	06-Apr-00	13:30:47	F	0	133
658.0068	72.0307	25.5471	3	6.3465	06-Apr-00	13:31:14	F	0	134
658.2584	78.6082	36.78	1	6.35	06-Apr-00	13:32:12	F	0	136
658.3452	48.7466	165.852	2	6.35	06-Apr-00	13:32:20	F	0	137
658.6847	44.3405	156.7737	2	6.35	06-Apr-00	13:32:31	F	0	138
658.921	28.354	142.7872	2	6.35	06-Apr-00	13:32:42	F	0	139
659.3767	41.468	273.0323	1	6.33	06-Apr-00	13:32:53	F	0	140
659.6733	39.5227	152.5912	2	6.33	06-Apr-00	13:33:04	F	0	141
659.8372	50.6222	187.518	1	6.3429	06-Apr-00	13:33:12	F	0	142
660.0004	48.3447	170.5575	3	6.35	06-Apr-00	13:33:20	F	0	143
660.6365	32.2781	162.5275	1	6.33	06-Apr-00	13:33:27	F	0	144
658.9393	75.4429	1.5378	3	6.35	06-Apr-00	13:33:47	F	0	145
658.8615	79.6049	19.0668	3	6.35	06-Apr-00	13:34:02	F	0	146
659.5154	73.4458	37.9473	4	6.33	06-Apr-00	13:34:22	F	0	147
658.8793	67.8353	199.7811	3	6.35	06-Apr-00	13:34:38	F	0	148
661.2106	45.1667	151.9072	1	6.33	06-Apr-00	13:34:59	F	0	149
661.2996	40.8406	155.8333	2	6.33	06-Apr-00	13:35:12	F	0	150
661.3732	44.4283	132.6856	1	6.33	06-Apr-00	13:35:25	F	0	151
659.3852	76.3419	133.0506	5	6.33	06-Apr-00	13:36:05	F	0	152
659.3351	77.6291	216.3831	5	6.33	06-Apr-00	13:36:23	F	0	153
661.0049	63.2796	23.0393	4	6.33	06-Apr-00	13:36:55	F	0	154
661.493	19.6625	185.4036	2	6.33	06-Apr-00	13:37:06	F	0	155
661.6614	34.2117	205.8356	2	6.33	06-Apr-00	13:37:19	F	0	156

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
661.8853	44.75	128.5607	2	6.33	06-Apr-00	13:37:29	F	0	157
661.2802	74.5865	359.9938	4	6.33	06-Apr-00	13:37:42	F	0	158
653.9495	71.8856	21.4296	4	6.33	06-Apr-00	13:40:29	F	0	159
654.0417	74.3765	31.1215	4	6.33	06-Apr-00	13:40:41	F	0	160
654.3742	49.7163	345.1347	3	6.33	06-Apr-00	13:41:12	F	0	161
654.4375	35.6303	286.1546	4	6.33	06-Apr-00	13:41:26	F	0	162
654.1497	61.732	93.4786	3	6.33	06-Apr-00	13:43:17	F	0	163
654.6113	50.9516	281.4767	3	6.33	06-Apr-00	13:43:32	F	0	164
654.9215	53.2242	334.1284	2	6.33	06-Apr-00	13:43:43	F	0	165
655.3956	52.3269	309.3961	2	6.33	06-Apr-00	13:43:57	F	0	166
655.5219	52.4776	38.2814	1	6.3369	06-Apr-00	13:44:09	F	0	167
655.6186	46.2715	164.4982	3	6.3498	06-Apr-00	13:44:24	F	0	168
656.3874	65.172	315.4092	3	6.3505	06-Apr-00	13:44:38	F	0	169
656.3126	73.6999	27.7573	3	6.3645	06-Apr-00	13:44:48	F	0	170
656.7925	70.0068	33.3148	1	6.33	06-Apr-00	13:45:05	F	0	171
656.8551	69.3992	322.7827	4	6.33	06-Apr-00	13:45:19	F	0	172
657.3081	13.3396	166.4293	3	6.33	06-Apr-00	13:45:33	F	0	173
657.1663	18.0435	348.2459	2	6.33	06-Apr-00	13:45:42	F	0	174
657.5679	50.3508	332.832	3	6.33	06-Apr-00	13:47:19	F	0	175
657.312	54.5984	186.2916	4	6.33	06-Apr-00	13:47:30	F	0	176
657.1654	51.3834	184.7521	5	6.33	06-Apr-00	13:47:41	F	0	177
657.1915	66.0939	345.5684	5	6.33	06-Apr-00	13:47:49	F	0	178
657.763	57.3295	330.5514	2	6.3302	06-Apr-00	13:48:08	F	0	179
657.8683	56.8691	335.9927	3	6.3372	06-Apr-00	13:48:20	F	0	180
657.9482	52.8933	337.3619	4	6.3425	06-Apr-00	13:48:31	F	0	181
658.3976	84.4746	48.7905	4	6.35	06-Apr-00	13:48:53	F	0	182
658.2773	78.8162	46.6087	5	6.35	06-Apr-00	13:49:05	F	0	183
662.0407	60.6063	38.6705	1	6.33	06-Apr-00	13:50:48	F	0	184
661.9216	71.4005	27.3556	3	6.33	06-Apr-00	13:51:01	F	0	185
661.9969	18.5785	242.151	1	6.33	06-Apr-00	13:51:22	F	0	186
662.4005	14.9844	218.6558	1	6.33	06-Apr-00	13:51:52	F	0	187
662.7892	67.1572	349.1075	1	6.33	06-Apr-00	13:52:02	F	0	188
662.6673	75.8212	339.2357	2	6.33	06-Apr-00	13:52:11	F	0	189
663.4672	65.41	86.5937	4	6.33	06-Apr-00	14:02:07	F	0	192
663.5627	60.8706	83.3976	4	6.33	06-Apr-00	14:02:16	F	0	193
663.4553	77.6345	129.165	5	6.33	06-Apr-00	14:02:26	F	0	194
663.7805	65.103	111.3091	5	6.33	06-Apr-00	14:02:45	F	0	195
663.8566	65.6701	355.3088	4	6.33	06-Apr-00	14:02:57	F	0	196
663.8685	64.6999	74.8249	4	6.33	06-Apr-00	14:03:17	F	0	197
664.1544	68.5834	334.4103	1	6.33	06-Apr-00	14:03:45	F	0	198
663.918	68.4911	11.7127	3	6.33	06-Apr-00	14:03:55	F	0	199
664.6674	76.9841	333.8745	2	6.33	06-Apr-00	14:04:15	F	0	200
664.7443	58.7464	102.0247	1	6.33	06-Apr-00	14:04:27	F	0	201
664.7062	64.3088	74.9074	3	6.33	06-Apr-00	14:04:37	F	0	202
664.5978	64.0617	67.4578	3	6.33	06-Apr-00	14:04:46	F	0	203
664.4699	77.2454	332.7994	3	6.33	06-Apr-00	14:05:01	F	0	204
665.4085	58.7552	97.2552	1	6.33	06-Apr-00	14:06:23	F	0	205
665.3148	36.0555	204.9647	4	6.33	06-Apr-00	14:06:48	F	0	206
665.129	54.1991	225.9181	4	6.33	06-Apr-00	14:06:59	F	0	207
665.745	62.9888	82.5394	1	6.33	06-Apr-00	14:07:15	F	0	208
665.6027	52.3449	75.9369	1	6.33	06-Apr-00	14:07:26	F	0	209

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
665.4601	49.3634	175.1644	4	6.33	06-Apr-00	14:07:40	F	0	210
665.6169	69.5418	310.7204	3	6.33	06-Apr-00	14:08:09	F	0	211
666.571	62.5643	349.7819	1	6.33	06-Apr-00	14:08:52	F	0	212
666.7989	51.3842	71.5419	1	6.33	06-Apr-00	14:09:00	F	0	213
665.3741	78.9161	37.8807	4	6.33	06-Apr-00	14:09:38	F	0	214
665.8195	53.6343	86.8756	1	6.33	06-Apr-00	14:10:13	F	0	216
665.9291	52.1557	51.6296	2	6.33	06-Apr-00	14:10:25	F	0	217
666.1774	69.0487	288.9979	4	6.33	06-Apr-00	14:10:36	F	0	218
665.9838	64.1565	85.8155	4	6.33	06-Apr-00	14:10:50	F	0	219
666.3237	28.2193	208.9415	2	6.33	06-Apr-00	14:11:05	F	0	220
666.3021	64.8548	87.5668	2	6.33	06-Apr-00	14:11:15	F	0	221
666.2426	40.0037	212.286	3	6.33	06-Apr-00	14:11:29	F	0	222
666.4418	22.1782	162.1846	3	6.33	06-Apr-00	14:11:41	F	0	223
666.8564	57.8576	35.6692	3	6.33	06-Apr-00	14:12:22	F	0	224
666.0035	25.621	171.8996	2	6.33	06-Apr-00	14:12:34	F	0	225
666.5167	74.98	15.422	4	6.33	06-Apr-00	14:12:47	F	0	226
667.9784	67.3319	93.417	1	6.33	06-Apr-00	14:13:41	F	0	227
667.1883	52.2135	111.5248	3	6.33	06-Apr-00	14:13:49	F	0	228
667.2012	69.3733	345.8847	3	6.33	06-Apr-00	14:14:04	F	0	229
667.577	67.519	82.4524	4	6.33	06-Apr-00	14:14:12	F	0	230
668.5712	72.0728	38.2735	3	6.33	06-Apr-00	14:14:24	F	0	231
668.3504	40.3542	149.3328	1	6.33	06-Apr-00	14:14:31	F	0	232
668.2682	73.8947	359.0507	5	6.33	06-Apr-00	14:14:41	F	0	233
668.809	26.5155	127.5631	1	6.33	06-Apr-00	14:14:49	F	0	234
669.1746	59.5332	342.1805	1	6.33	06-Apr-00	14:14:58	F	0	235
669.0475	66.5237	80.095	4	6.33	06-Apr-00	14:15:12	F	0	236
668.5651	66.5692	130.1771	5	6.33	06-Apr-00	14:15:29	F	0	237
668.8437	62.9383	78.5931	5	6.33	06-Apr-00	14:15:46	F	0	238
669.4025	53.5008	92.8866	1	6.33	06-Apr-00	14:15:58	F	0	239
669.475	37.0791	175.5752	3	6.33	06-Apr-00	14:16:09	F	0	240
669.6334	61.2523	86.8783	1	6.33	06-Apr-00	14:16:22	F	0	241
669.5504	60.3606	125.1638	5	6.33	06-Apr-00	14:16:37	F	0	242
670.0528	73.2062	317.0622	4	6.33	06-Apr-00	14:16:55	F	0	243
670.0118	65.0526	95.4504	1	6.33	06-Apr-00	14:17:06	F	0	244
670.479	25.6242	197.5564	3	6.33	06-Apr-00	14:17:19	F	0	245
670.9254	73.7949	333.2715	2	6.33	06-Apr-00	14:17:31	F	0	246
670.9424	66.0508	97.3125	2	6.33	06-Apr-00	14:17:42	F	0	247
670.905	43.5737	110.1183	2	6.33	06-Apr-00	14:17:52	F	0	248
670.8718	79.192	185.0647	5	6.33	06-Apr-00	14:18:02	F	0	249
670.5421	75.499	236.0112	5	6.33	06-Apr-00	14:18:12	F	0	250
670.3174	53.2385	202.9333	4	6.33	06-Apr-00	14:18:30	F	0	251
670.1985	45.4659	147.8521	5	6.33	06-Apr-00	14:18:41	F	0	252
669.878	64.3841	88.5009	5	6.33	06-Apr-00	14:18:53	F	0	253
669.7681	62.7575	86.7005	2	6.33	06-Apr-00	14:19:10	F	0	254
671.1022	65.3464	98.9569	3	6.33	06-Apr-00	14:20:14	F	0	255
670.9731	57.4375	93.0035	2	6.33	06-Apr-00	14:20:25	F	0	256
671.1466	64.6404	352.0771	2	6.33	06-Apr-00	14:20:37	F	0	257
671.3177	39.2968	149.621	1	6.33	06-Apr-00	14:20:48	F	0	258
671.4267	23.8307	170.1125	1	6.33	06-Apr-00	14:20:59	F	0	259
671.2968	59.8306	284.8958	3	6.33	06-Apr-00	14:21:15	F	0	260
671.1367	21.3816	245.2451	5	6.33	06-Apr-00	14:21:44	F	0	261

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
671.7123	63.992	95.6439	1	6.33	06-Apr-00	14:21:54	F	0	262
671.9706	35.2266	153.6764	3	6.33	06-Apr-00	14:22:09	F	0	263
671.7081	29.567	143.0269	4	6.33	06-Apr-00	14:22:21	F	0	264
672.2529	63.866	97.8316	2	6.33	06-Apr-00	14:22:32	F	0	265
672.5002	52.9412	94.8181	1	6.33	06-Apr-00	14:22:56	F	0	266
672.2994	22.2299	183.8887	3	6.33	06-Apr-00	14:23:04	F	0	267
672.8666	80.205	338.5876	3	6.33	06-Apr-00	14:23:20	F	0	268
672.7538	38.4303	195.7309	1	6.33	06-Apr-00	14:23:28	F	0	269
672.424	46.1507	204.3625	3	6.33	06-Apr-00	14:25:03	F	0	270
672.6849	56.184	52.826	5	6.33	06-Apr-00	14:25:14	F	0	271
671.8885	68.3024	347.6873	4	6.33	06-Apr-00	14:25:24	F	0	272
673.7942	63.9795	100.8879	1	6.33	06-Apr-00	14:25:35	F	0	273
673.5521	61.6539	98.8055	2	6.33	06-Apr-00	14:25:47	F	0	274
673.2979	55.2596	30.1862	3	6.33	06-Apr-00	14:26:14	F	0	275
673.6211	82.7458	11.5276	4	6.33	06-Apr-00	14:26:42	F	0	276
673.0455	59.7436	61.8067	4	6.33	06-Apr-00	14:26:52	F	0	277
673.7706	42.3666	121.4789	2	6.33	06-Apr-00	14:27:33	F	0	278
673.9915	39.8952	140.0512	3	6.33	06-Apr-00	14:27:45	F	0	279
674.0519	38.6243	162.1873	3	6.33	06-Apr-00	14:27:57	F	0	280
674.3771	53.4439	125.5161	2	6.33	06-Apr-00	14:28:09	F	0	281
674.6852	62.8971	95.8346	1	6.33	06-Apr-00	14:28:20	F	0	282
674.3073	67.8379	42.6686	2	6.33	06-Apr-00	14:28:33	F	0	283
674.8423	43.5347	127.9588	1	6.33	06-Apr-00	14:28:48	F	0	284
674.5207	50.6673	124.6338	4	6.33	06-Apr-00	14:29:39	F	0	285
674.0042	64.6454	268.682	5	6.33	06-Apr-00	14:29:55	F	0	286
673.4902	76.8705	341.6358	4	6.33	06-Apr-00	14:30:14	F	0	287
674.8732	55.5281	27.2335	4	6.33	06-Apr-00	14:30:25	F	0	288
676.824	63.354	2.9043	1	6.33	06-Apr-00	14:31:06	F	0	289
676.9569	25.7427	135.5411	1	6.33	06-Apr-00	14:31:15	F	0	290
677.217	26.0768	157.4577	1	6.33	06-Apr-00	14:31:24	F	0	291
677.4559	27.0862	128.1493	1	6.33	06-Apr-00	14:31:33	F	0	292
677.2989	27.9416	152.28	4	6.33	06-Apr-00	14:31:45	F	0	293
677.1278	22.5427	164.0065	4	6.33	06-Apr-00	14:31:52	F	0	294
677.901	72.8178	303.0102	3	6.33	06-Apr-00	14:32:17	F	0	295
677.5889	46.7043	3.3705	2	6.33	06-Apr-00	14:32:28	F	0	296
676.1909	17.3044	121.7933	1	6.33	06-Apr-00	14:32:39	F	0	297
675.7458	52.7407	73.6332	1	6.33	06-Apr-00	14:32:46	F	0	298
675.6133	49.5319	71.3419	2	6.33	06-Apr-00	14:32:59	F	0	299
675.1938	39.481	134.9631	1	6.33	06-Apr-00	14:33:04	F	0	300
676.3417	75.7733	331.3865	2	6.33	06-Apr-00	14:33:18	F	0	301
678.1567	28.7621	130.4294	1	6.33	06-Apr-00	14:33:34	F	0	302
678.5544	19.0602	98.6333	1	6.33	06-Apr-00	14:33:41	F	0	303
678.913	68.8095	357.9497	3	6.33	06-Apr-00	14:34:01	F	0	304
678.567	76.5598	29.088	5	6.33	06-Apr-00	14:34:11	F	0	305
678.0081	69.6149	28.4432	4	6.33	06-Apr-00	14:34:25	F	0	306
677.7728	62.8873	122.1874	5	6.33	06-Apr-00	14:34:33	F	0	307
678.279	22.7908	119.6749	1	6.33	06-Apr-00	14:34:44	F	0	308
678.3936	24.6012	227.4741	1	6.33	06-Apr-00	14:34:54	F	0	309
678.6785	28.5853	113.3395	2	6.33	06-Apr-00	14:35:05	F	0	310
678.8789	36.4547	158.1829	1	6.33	06-Apr-00	14:35:13	F	0	311
678.9351	23.5287	171.5078	2	6.33	06-Apr-00	14:35:24	F	0	312

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
678.7508	23.7026	171.0577	2	6.33	06-Apr-00	14:35:47	F	0	313
677.6047	61.7786	16.3092	3	6.33	06-Apr-00	14:36:01	F	0	314
676.3448	80.1995	72.8996	5	6.33	06-Apr-00	14:36:25	F	0	315
675.2164	81.3128	256.6895	4	6.33	06-Apr-00	14:36:31	F	0	316
675.328	64.8261	2.7957	3	6.33	06-Apr-00	14:36:56	F	0	317
675.3331	71.4391	78.4611	5	6.33	06-Apr-00	14:37:10	F	0	318
675.3783	31.5987	174.8699	4	6.33	06-Apr-00	14:37:29	F	0	319
675.6119	26.7327	173.8323	4	6.33	06-Apr-00	14:37:37	F	0	320
679.4114	34.6739	164.3589	1	6.33	06-Apr-00	14:38:30	F	0	321
680.2972	28.0744	135.2561	1	6.33	06-Apr-00	14:38:37	F	0	322
680.8961	57.2145	49.9966	2	6.33	06-Apr-00	14:38:59	F	0	323
679.8583	30.9637	112.0829	5	6.33	06-Apr-00	14:39:11	F	0	324
679.8571	68.2446	320.1036	2	6.33	06-Apr-00	14:39:18	F	0	325
680.4748	27.2389	137.0044	3	6.33	06-Apr-00	14:39:37	F	0	326
680.6522	54.3095	204.5876	3	6.33	06-Apr-00	14:40:07	F	0	327
682.0956	66.8384	75.2921	1	6.33	06-Apr-00	14:40:23	F	0	328
682.2241	49.41	38.9718	4	6.33	06-Apr-00	14:40:37	F	0	329
682.8721	38.6066	156.7356	1	6.33	06-Apr-00	14:40:46	F	0	330
682.3256	47.6202	203.3838	5	6.33	06-Apr-00	14:40:54	F	0	331
681.5325	79.3942	304.6063	4	6.33	06-Apr-00	14:41:14	F	0	332
678.5656	83.8041	349.1329	5	6.33	06-Apr-00	14:41:26	F	0	333
679.6209	82.8666	253.0489	4	6.33	06-Apr-00	14:41:42	F	0	334
680.9721	42.3428	110.9962	4	6.33	06-Apr-00	14:41:58	F	0	335
681.0185	51.6217	20.1104	5	6.33	06-Apr-00	14:42:10	F	0	336
681.1598	60.9139	213.8205	4	6.33	06-Apr-00	14:42:22	F	0	337
681.8118	81.801	42.4629	4	6.33	06-Apr-00	14:42:37	F	0	338
682.3159	60.4161	59.4899	3	6.33	06-Apr-00	14:42:52	F	0	339
681.4836	70.1513	241.8931	5	6.33	06-Apr-00	14:43:09	F	0	340
681.9229	53.7511	295.309	5	6.33	06-Apr-00	14:43:21	F	0	341
682.756	39.3526	167.3435	4	6.33	06-Apr-00	14:43:33	F	0	342
683.2435	51.6296	155.7099	2	6.33	06-Apr-00	14:44:31	F	0	343
683.3395	61.1674	250.9785	3	6.33	06-Apr-00	14:44:50	F	0	344
683.4693	39.9755	231.1435	3	6.33	06-Apr-00	14:45:07	F	0	345
683.7438	37.9728	143.9964	3	6.33	06-Apr-00	14:45:19	F	0	346
684.4	59.9594	93.9136	2	6.33	06-Apr-00	14:45:31	F	0	347
686.4528	80.9055	56.9833	4	6.33	06-Apr-00	14:46:22	F	0	348
686.2924	79.7022	218.6992	4	6.33	06-Apr-00	14:46:34	F	0	349
685.6285	65.6033	9.6561	1	6.33	06-Apr-00	14:46:47	F	0	350
683.9489	57.6931	238.93	3	6.33	06-Apr-00	14:52:34	F	0	351
683.7958	69.6665	28.1592	3	6.33	06-Apr-00	14:53:05	F	0	352
683.6239	77.697	136.1285	4	6.33	06-Apr-00	14:53:20	F	0	353
683.52	78.0743	247.8188	5	6.33	06-Apr-00	14:53:53	F	0	355
684.2264	46.1961	86.7785	3	6.33	06-Apr-00	14:54:10	F	0	356
684.5032	45.7728	220.6952	3	6.33	06-Apr-00	14:54:20	F	0	357
684.7277	28.5114	260.0874	3	6.33	06-Apr-00	14:54:40	F	0	358
684.9957	59.842	12.6416	1	6.33	06-Apr-00	14:54:50	F	0	359
684.9315	53.1169	179.6656	3	6.33	06-Apr-00	14:55:10	F	0	360
685.2134	60.119	87.7921	2	6.33	06-Apr-00	14:55:20	F	0	361
685.6046	78.9628	78.2047	2	6.33	06-Apr-00	14:55:43	F	0	362
685.5883	34.6172	175.547	2	6.33	06-Apr-00	14:56:08	F	0	363
685.8106	51.3951	147.0757	3	6.33	06-Apr-00	14:56:22	F	0	364

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
686.2965	47.407	133.266	2	6.33	06-Apr-00	14:56:35	F	0	365
686.5497	67.0644	91.3546	4	6.33	06-Apr-00	14:56:51	F	0	366
686.6897	56.7389	91.9552	3	6.33	06-Apr-00	14:57:06	F	0	367
686.8936	46.0038	171.2785	3	6.33	06-Apr-00	14:57:21	F	0	368
686.5937	53.8997	154.9682	4	6.33	06-Apr-00	14:57:34	F	0	369
686.6711	65.3402	102.0292	5	6.33	06-Apr-00	14:57:48	F	0	370
686.3081	67.0403	99.5918	3	6.33	06-Apr-00	14:57:59	F	0	371
686.1338	54.8894	249.5632	4	6.33	06-Apr-00	14:58:14	F	0	372
685.0493	49.3356	142.5972	3	6.33	06-Apr-00	14:58:28	F	0	373
685.2482	37.444	347.0308	3	6.33	06-Apr-00	14:58:43	F	0	374
687.6086	73.2311	146.9498	1	6.33	06-Apr-00	14:59:52	F	0	375
687.8459	59.133	337.09	3	6.33	06-Apr-00	15:00:01	F	0	376
687.4562	71.421	99.9592	3	6.33	06-Apr-00	15:00:15	F	0	377
687.5673	66.5081	63.0904	4	6.33	06-Apr-00	15:00:27	F	0	378
686.9677	38.3994	101.6231	3	6.33	06-Apr-00	15:00:58	F	0	379
687.175	62.5607	57.0518	4	6.33	06-Apr-00	15:01:08	F	0	380
688.2908	70.2852	157.7004	3	6.33	06-Apr-00	15:05:53	F	0	381
688.4594	60.1299	152.6289	1	6.33	06-Apr-00	15:06:03	F	0	382
688.2366	61.159	21.2516	2	6.33	06-Apr-00	15:06:11	F	0	383
688.6508	56.7758	51.0941	1	6.33	06-Apr-00	15:07:05	F	0	384
689.1349	62.8304	166.0434	1	6.33	06-Apr-00	15:07:12	F	0	385
688.225	63.3198	21.6141	2	6.33	06-Apr-00	15:14:50	F	0	386
688.2147	60.6496	279.7714	4	6.33	06-Apr-00	15:17:32	F	0	387
688.3427	40.167	326.6665	3	6.33	06-Apr-00	15:17:47	F	0	388
688.7297	55.4783	286.0954	5	6.33	06-Apr-00	15:18:02	F	0	389
689.0419	68.798	73.3873	4	6.33	06-Apr-00	15:18:16	F	0	390
689.8184	71.3139	2.4865	3	6.33	06-Apr-00	15:19:31	F	0	391
689.5822	60.486	102.4107	4	6.33	06-Apr-00	15:19:47	F	0	392
689.7231	64.2441	82.6255	3	6.33	06-Apr-00	15:19:58	F	0	393
689.9579	72.1794	110.3827	2	6.33	06-Apr-00	15:20:13	F	0	394
690.1018	53.0403	210.7197	4	6.33	06-Apr-00	15:21:38	F	0	395
690.3719	45.1984	75.1498	3	6.33	06-Apr-00	15:21:48	F	0	396
690.7775	60.4177	164.4347	3	6.33	06-Apr-00	15:22:03	F	0	397
690.987	62.7484	18.1131	3	6.33	06-Apr-00	15:22:17	F	0	398
691.6019	54.7759	41.1495	3	6.33	06-Apr-00	15:22:55	F	0	399
691.8116	50.2125	304.8858	3	6.33	06-Apr-00	15:23:05	F	0	400
689.418	50.7796	154.9287	4	6.33	06-Apr-00	15:23:34	F	0	401
688.7419	66.1439	150.7887	4	6.33	06-Apr-00	15:23:47	F	0	402
691.3983	35.2366	93.5142	3	6.33	06-Apr-00	15:24:27	F	0	403
691.5758	44.0494	233.7215	3	6.33	06-Apr-00	15:24:48	F	0	404
691.8691	55.0919	236.7304	3	6.33	06-Apr-00	15:24:58	F	0	405
692.0699	59.1719	49.8162	1	6.33	06-Apr-00	15:26:18	F	0	406
692.4567	62.7729	76.0242	2	6.33	06-Apr-00	15:26:31	F	0	407
692.8768	59.7142	353.1159	1	6.33	06-Apr-00	15:26:43	F	0	408
693.1195	64.7674	94.5891	3	6.33	06-Apr-00	15:26:59	F	0	409
693.4243	77.4407	167.7487	2	6.33	06-Apr-00	15:27:19	F	0	410
694.4993	64.4226	7.0711	3	6.33	06-Apr-00	15:27:50	F	0	411
695.063	60.2374	35.279	3	6.33	06-Apr-00	15:27:58	F	0	412
695.346	43.1431	174.2865	3	6.33	06-Apr-00	15:28:22	F	0	413
692.81	65.1508	78.6441	4	6.33	06-Apr-00	15:29:07	F	0	414
692.3234	60.4462	161.4017	5	6.33	06-Apr-00	15:29:16	F	0	415

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
694.1069	70.103	71.4179	4	6.33	06-Apr-00	15:29:38	F	0	416
693.5898	69.7298	356.1495	1	6.33	06-Apr-00	15:33:38	F	0	417
693.5167	78.2061	85.305	4	6.33	06-Apr-00	15:36:22	F	0	418
694.047	33.024	226.8795	4	6.33	06-Apr-00	15:36:38	F	0	419
694.6733	13.555	207.8757	5	6.33	06-Apr-00	15:36:48	F	0	420
695.978	65.1153	105.1904	4	6.33	06-Apr-00	15:37:30	F	0	421
696.0816	70.4681	99.9119	4	6.33	06-Apr-00	15:37:38	F	0	422
696.4131	48.5267	169.75	3	6.33	06-Apr-00	15:38:03	F	0	423
696.6423	58.5809	98.0186	1	6.33	06-Apr-00	15:38:14	F	0	424
696.579	59.0418	108.5997	2	6.33	06-Apr-00	15:38:28	F	0	425
697.1411	68.3863	227.4475	3	6.33	06-Apr-00	15:38:38	F	0	426
697.6904	50.1566	215.8648	3	6.33	06-Apr-00	15:38:49	F	0	427
698.0918	55.9115	5.5599	1	6.33	06-Apr-00	15:38:59	F	0	428
698.5469	43.9749	119.6495	4	6.33	06-Apr-00	15:39:34	F	0	429
698.778	69.5499	54.2041	2	6.3335	06-Apr-00	15:39:46	F	0	430
698.782	71.5511	158.9317	3	6.334	06-Apr-00	15:40:14	F	0	431
698.9168	62.3126	14.1682	4	6.35	06-Apr-00	15:40:39	F	0	432
699.0425	46.5956	13.1269	4	6.35	06-Apr-00	15:40:46	F	0	433
699.2419	35.1106	242.3293	2	6.33	06-Apr-00	15:40:55	F	0	434
699.358	26.3759	249.7618	3	6.33	06-Apr-00	15:41:09	F	0	435
699.5567	12.6087	211.2891	3	6.33	06-Apr-00	15:41:15	F	0	436
699.7432	48.8947	143.3158	4	6.33	06-Apr-00	15:41:53	F	0	437
700.0278	76.6069	112.0873	2	6.33	06-Apr-00	15:42:02	F	0	438
699.5594	64.2894	121.8164	3	6.33	06-Apr-00	15:42:17	F	0	439
698.8358	12.5391	114.6749	5	6.3407	06-Apr-00	15:42:28	F	0	440
698.3104	62.477	272.3602	5	6.33	06-Apr-00	15:42:44	F	0	441
700.44	69.6192	340.3566	1	6.33	06-Apr-00	15:43:16	F	0	442
700.9718	56.2899	238.2914	5	6.33	06-Apr-00	15:44:03	F	0	443
701.2679	54.3293	311.4213	2	6.33	06-Apr-00	15:44:18	F	0	444
700.535	67.638	110.0202	5	6.33	06-Apr-00	15:44:48	F	0	445
700.6487	83.4515	109.5113	4	6.33	06-Apr-00	15:45:00	F	0	446
699.9897	65.4927	116.83	3	6.33	06-Apr-00	15:45:29	F	0	447
700.3123	64.5568	49.6829	1	6.33	06-Apr-00	15:45:46	F	0	448
702.7916	65.0642	14.747	2	6.33	06-Apr-00	15:46:13	F	0	449
703.2794	70.2614	9.1783	3	6.33	06-Apr-00	15:46:23	F	0	450
703.8837	50.3466	17.9066	4	6.33	06-Apr-00	15:46:30	F	0	451
702.0474	67.0121	198.8894	4	6.33	06-Apr-00	15:46:47	F	0	452
701.6142	70.9	190.2521	5	6.33	06-Apr-00	15:46:54	F	0	453
700.6898	61.5509	204.5167	5	6.33	06-Apr-00	15:48:08	F	0	454
701.0026	56.2745	155.4974	5	6.33	06-Apr-00	15:48:35	F	0	455
705.5756	69.9185	146.8194	1	6.33	06-Apr-00	15:51:13	F	0	456
706.0911	66.8358	152.8793	1	6.33	06-Apr-00	15:51:25	F	0	457
706.8146	69.1148	155.5185	2	6.33	06-Apr-00	15:51:43	F	0	458
706.3355	55.6481	144.7283	3	6.33	06-Apr-00	15:51:58	F	0	459
706.5343	67.5303	43.8336	2	6.33	06-Apr-00	15:52:13	F	0	460
706.82	76.2558	73.8867	4	6.33	06-Apr-00	15:52:41	F	0	461
707.1432	42.3054	113.7374	1	6.3006	06-Apr-00	15:52:51	F	0	462
707.6448	71.7236	127.1554	1	6.33	06-Apr-00	15:53:02	F	0	463
707.2316	66.3309	216.7577	4	6.3183	06-Apr-00	15:53:15	F	0	464
707.3848	56.7335	68.9645	4	6.3237	06-Apr-00	15:53:27	F	0	465
707.6146	75.9402	231.3096	4	6.33	06-Apr-00	15:53:39	F	0	466

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
707.8332	73.5435	117.3942	1	6.3134	06-Apr-00	15:53:55	F	0	467
707.1731	72.4483	43.9313	5	6.3066	06-Apr-00	15:54:06	F	0	468
705.6848	23.017	294.9204	2	6.33	06-Apr-00	15:54:21	F	0	469
705.308	59.5826	24.5377	2	6.33	06-Apr-00	15:54:30	F	0	470
705.0242	55.6558	215.3986	1	6.33	06-Apr-00	15:54:41	F	0	471
705.7454	72.642	39.1944	5	6.33	06-Apr-00	15:55:44	F	0	474
704.9545	74.1305	6.4312	5	6.33	06-Apr-00	15:55:58	F	0	475
704.2175	72.9715	353.6041	3	6.33	06-Apr-00	15:56:16	F	0	476
704.6684	67.8034	153.4611	5	6.33	06-Apr-00	16:07:48	F	0	477
709.4082	40.4963	112.4963	2	6.33	06-Apr-00	16:09:26	F	0	479
709.1311	53.423	119.8085	2	6.33	06-Apr-00	16:09:34	F	0	480
709.5941	43.6062	116.1011	2	6.33	06-Apr-00	16:09:45	F	0	481
709.6808	41.4459	124.135	3	6.33	06-Apr-00	16:09:56	F	0	482
709.8224	50.1962	124.966	1	6.33	06-Apr-00	16:10:04	F	0	483
710.033	34.3177	121.515	1	6.33	06-Apr-00	16:10:13	F	0	484
710.1415	28.2145	129.5477	1	6.33	06-Apr-00	16:10:24	F	0	485
710.3983	47.7809	144.583	1	6.33	06-Apr-00	16:10:31	F	0	486
710.4622	63.9434	337.9566	3	6.33	06-Apr-00	16:10:44	F	0	487
710.5538	68.5926	107.6208	4	6.33	06-Apr-00	16:10:56	F	0	488
710.2059	34.5356	149.9099	4	6.33	06-Apr-00	16:11:07	F	0	489
710.9589	82.9529	9.3026	4	6.33	06-Apr-00	16:11:18	F	0	490
711.0968	53.9887	23.1321	1	6.33	06-Apr-00	16:15:24	F	0	491
711.5045	72.8445	45.4283	5	6.3	06-Apr-00	16:15:50	F	0	492
710.1836	76.9	18.4942	5	6.33	06-Apr-00	16:16:19	F	0	493
710.0828	73.0469	107.6651	4	6.33	06-Apr-00	16:16:30	F	0	494
711.1556	50.5831	97.5791	4	6.33	06-Apr-00	16:16:44	F	0	495
712.5875	71.7643	168.2229	1	6.3	06-Apr-00	16:17:01	F	0	496
712.3394	76.15	45.9855	2	6.3087	06-Apr-00	16:17:30	F	0	497
712.4219	63.0887	38.7838	4	6.3032	06-Apr-00	16:17:56	F	0	498
710.9077	86.6127	235.0827	5	6.33	06-Apr-00	16:18:22	F	0	499
712.5851	46.2816	0.6222	5	6.3	06-Apr-00	16:18:40	F	0	500
712.8693	27.0615	164.1168	1	6.3	06-Apr-00	16:18:54	F	0	501
711.4458	46.4633	126.413	4	6.3	06-Apr-00	16:19:12	F	0	502
713.2828	66.8503	48.3883	1	6.3035	06-Apr-00	16:25:54	F	0	503
713.7007	63.8234	43.5728	2	6.3186	06-Apr-00	16:26:04	F	0	504
713.7876	27.2297	170.8776	1	6.307	06-Apr-00	16:26:15	F	0	505
713.6771	76.3329	337.6387	4	6.3191	06-Apr-00	16:26:29	F	0	506
713.3607	82.4573	332.6356	3	6.3087	06-Apr-00	16:27:02	F	0	507
713.717	76.3126	68.437	4	6.3164	06-Apr-00	16:27:16	F	0	508
715.3953	57.2005	1.1781	1	6.3	06-Apr-00	16:27:41	F	0	509
715.1076	52.1024	146.125	1	6.3	06-Apr-00	16:27:50	F	0	510
714.8038	58.6282	90.9054	2	6.3	06-Apr-00	16:28:00	F	0	511
714.4515	52.8361	332.6316	3	6.3	06-Apr-00	16:28:10	F	0	512
716.1354	67.4393	56.3903	1	6.33	06-Apr-00	16:28:52	F	0	514
714.2676	57.9822	346.076	3	6.3	06-Apr-00	16:29:25	F	0	515
715.0164	71.5346	129.4929	2	6.3	06-Apr-00	16:29:38	F	0	516
714.5663	74.3775	142.6096	5	6.3	06-Apr-00	16:30:47	F	0	517
714.2204	67.7927	182.3706	4	6.3	06-Apr-00	16:30:59	F	0	518
714.5157	54.5421	198.1785	5	6.3	06-Apr-00	16:31:14	F	0	519
715.1033	71.3576	321.6789	4	6.3	06-Apr-00	16:31:37	F	0	520
716.4403	35.7401	215.5439	3	6.33	06-Apr-00	16:32:12	F	0	521

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
716.5146	40.7573	236.7951	3	6.33	06-Apr-00	16:32:21	F	0	522
716.4222	69.0801	226.7898	4	6.33	06-Apr-00	16:32:35	F	0	523
716.6998	81.8919	347.8467	3	6.33	06-Apr-00	16:32:55	F	0	524
716.6223	60.3605	227.9109	3	6.33	06-Apr-00	16:33:13	F	0	525
716.7772	40.5106	204.612	4	6.33	06-Apr-00	16:33:24	F	0	526
716.8875	65.4949	150.5923	4	6.33	06-Apr-00	16:33:49	F	0	527
715.762	78.9465	344.0953	5	6.3039	06-Apr-00	16:34:08	F	0	528
717.6921	56.19	123.6054	1	6.33	06-Apr-00	16:37:52	F	0	529
717.9189	43.6363	120.2172	1	6.33	06-Apr-00	16:38:02	F	0	530
718.0449	38.5025	107.3979	2	6.33	06-Apr-00	16:38:12	F	0	531
717.9435	56.5974	95.0034	5	6.33	06-Apr-00	16:38:51	F	0	532
717.5613	47.0174	144.8897	4	6.33	06-Apr-00	16:39:10	F	0	533
717.7933	52.4033	127.8184	2	6.33	06-Apr-00	16:39:21	F	0	534
718.2297	39.7392	89.4776	3	6.33	06-Apr-00	16:39:32	F	0	535
718.3847	45.5192	94.1843	1	6.33	06-Apr-00	16:39:41	F	0	536
718.5778	50.6964	92.6023	1	6.33	06-Apr-00	16:39:50	F	0	537
718.5359	29.563	41.9527	3	6.33	06-Apr-00	16:40:03	F	0	538
718.5532	23.1849	201.515	3	6.33	06-Apr-00	16:40:15	F	0	539
718.5876	31.3663	201.006	3	6.33	06-Apr-00	16:40:26	F	0	540
719.1972	77.4666	39.2051	1	6.3	06-Apr-00	16:40:44	F	0	541
719.1002	79.4501	85.5645	3	6.3	06-Apr-00	16:41:00	F	0	542
719.5685	29.1601	146.4954	2	6.3	06-Apr-00	16:41:38	F	0	543
719.8424	21.7263	151.784	2	6.3	06-Apr-00	16:41:45	F	0	544
719.9379	61.7172	95.9877	1	6.3	06-Apr-00	16:41:56	F	0	545
720.2176	58.7755	167.7155	3	6.3	06-Apr-00	16:42:05	F	0	546
720.4272	34.48	197.1891	1	6.3046	06-Apr-00	16:42:17	F	0	547
718.0869	71.0248	13.0695	5	6.33	06-Apr-00	16:42:39	F	0	548
717.39	53.5935	14.1306	3	6.33	06-Apr-00	16:42:48	F	0	549
717.1166	52.678	7.5637	5	6.33	06-Apr-00	16:43:02	F	0	550
720.2047	62.413	94.3628	3	6.3	06-Apr-00	16:43:43	F	0	551
720.7794	64.3847	29.595	3	6.33	06-Apr-00	16:43:56	F	0	552
719.7407	66.0705	61.2532	5	6.3	06-Apr-00	16:44:14	F	0	553
721.103	77.8542	9.9911	3	6.2978	06-Apr-00	16:44:27	F	0	554
722.3257	67.2741	96.7687	1	6.28	06-Apr-00	16:45:06	F	0	555
722.1653	64.0487	203.1651	2	6.28	06-Apr-00	16:45:53	F	0	556
721.9027	64.4921	180.6385	4	6.3265	06-Apr-00	16:46:04	F	0	557
723.2434	74.3196	182.9292	2	6.28	06-Apr-00	16:46:57	F	0	558
722.5759	69.3253	162.5821	2	6.28	06-Apr-00	16:47:08	F	0	559
721.602	69.7954	123.7922	3	6.3205	06-Apr-00	16:47:18	F	0	560
721.1621	38.0642	223.4829	4	6.2807	06-Apr-00	16:47:39	F	0	561
721.764	31.345	202.5734	5	6.3008	06-Apr-00	16:47:55	F	0	562
722.0398	54.551	185.4701	5	6.2901	06-Apr-00	16:48:08	F	0	563
722.5875	74.1445	330.8837	3	6.28	06-Apr-00	16:48:21	F	0	564
724.2524	63.0103	99.3921	1	6.3233	06-Apr-00	16:49:03	F	0	565
724.0747	64.3816	130.7233	4	6.2866	06-Apr-00	16:49:24	F	0	566
724.5811	43.8721	93.0697	2	6.33	06-Apr-00	16:49:34	F	0	567
724.6763	52.002	73.7717	2	6.33	06-Apr-00	16:49:46	F	0	568
724.293	73.461	165.2747	4	6.3258	06-Apr-00	16:50:10	F	0	569
724.3369	32.7995	217.9407	5	6.3286	06-Apr-00	16:50:27	F	0	570
724.6309	62.7689	190.5291	5	6.33	06-Apr-00	16:50:40	F	0	571
724.8707	50.823	49.24	5	6.33	06-Apr-00	16:51:40	F	0	573

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
723.6265	66.6381	41.3663	4	6.28	06-Apr-00	16:51:57	F	0	574
725.677	67.4933	335.5691	1	6.33	06-Apr-00	16:53:02	F	0	575
726.6567	57.9245	351.2311	1	6.33	06-Apr-00	16:53:11	F	0	576
726.12	50.9381	74.6834	1	6.33	06-Apr-00	16:53:29	F	0	577
726.0239	49.561	72.032	2	6.33	06-Apr-00	16:53:36	F	0	578
726.1957	53.5336	63.1509	2	6.33	06-Apr-00	16:53:49	F	0	579
726.342	50.6179	72.0187	1	6.33	06-Apr-00	16:53:57	F	0	580
725.5831	48.9602	149.398	4	6.33	06-Apr-00	16:54:14	F	0	581
724.9984	63.4477	188.6618	5	6.33	06-Apr-00	16:54:24	F	0	582
725.8747	51.8311	276.9106	4	6.33	06-Apr-00	16:54:36	F	0	583
726.1339	81.7813	328.8095	3	6.33	06-Apr-00	16:55:03	F	0	584
725.4894	82.2997	228.6691	2	6.33	06-Apr-00	16:55:20	F	0	585
726.5638	52.192	74.3989	3	6.33	06-Apr-00	16:55:35	F	0	586
727.0878	76.9953	163.7974	3	6.33	06-Apr-00	16:55:52	F	0	587
727.137	80.4121	194.8626	3	6.33	06-Apr-00	16:56:05	F	0	588
726.9152	50.0045	268.1209	4	6.33	06-Apr-00	16:56:14	F	0	589
727.317	57.8154	343.7976	2	6.33	06-Apr-00	16:56:27	F	0	590
727.5673	67.6973	30.1797	1	6.33	06-Apr-00	16:56:37	F	0	591
726.9422	69.9656	177.7313	3	6.33	06-Apr-00	16:56:49	F	0	592
727.4998	76.3963	151.4321	4	6.33	06-Apr-00	16:57:26	F	0	593
727.9947	67.4746	140.1637	3	6.33	06-Apr-00	16:57:43	F	0	594
728.0441	60.1828	237.3598	3	6.33	06-Apr-00	16:58:17	F	0	595
728.151	74.2764	134.7872	3	6.33	06-Apr-00	16:58:29	F	0	596
728.2824	64.7856	358.1779	3	6.33	06-Apr-00	16:58:52	F	0	597
728.2097	66.3428	266.0996	4	6.33	06-Apr-00	16:59:07	F	0	598
728.2878	67.6449	177.1956	4	6.33	06-Apr-00	16:59:24	F	0	599
728.679	66.344	339.0712	2	6.33	06-Apr-00	16:59:40	F	0	600
728.6793	62.065	106.9847	2	6.33	06-Apr-00	16:59:53	F	0	601
728.9236	74.9213	328.0952	3	6.33	06-Apr-00	17:00:20	F	0	602
730.0622	52.1451	80.8619	1	6.33	06-Apr-00	17:02:18	F	0	603
729.4247	53.6441	86.0426	1	6.33	06-Apr-00	17:02:26	F	0	604
729.8063	53.2632	62.5252	2	6.33	06-Apr-00	17:02:49	F	0	605
729.6271	35.9141	165.1208	2	6.33	06-Apr-00	17:03:00	F	0	606
729.3721	68.7436	197.8826	3	6.33	06-Apr-00	17:03:14	F	0	607
729.8746	53.3712	217.6865	4	6.33	06-Apr-00	17:03:36	F	0	608
729.9354	38.5743	88.0941	1	6.33	06-Apr-00	17:03:58	F	0	609
730.3077	57.473	179.9892	1	6.33	06-Apr-00	17:04:10	F	0	610
730.4431	58.4456	51.8145	2	6.33	06-Apr-00	17:05:01	F	0	612
730.546	51.1863	132.5224	3	6.33	06-Apr-00	17:05:11	F	0	613
730.7619	43.7229	93.8724	1	6.33	06-Apr-00	17:05:22	F	0	614
730.7667	49.4254	267.5898	2	6.33	06-Apr-00	17:05:32	F	0	615
730.9814	51.0128	282.4571	3	6.33	06-Apr-00	17:05:54	F	0	616
731.1634	59.3232	335.0694	3	6.33	06-Apr-00	17:06:07	F	0	617
731.0974	72.077	314.5095	4	6.33	06-Apr-00	17:06:20	F	0	618
731.514	51.6896	95.9811	3	6.33	06-Apr-00	17:06:30	F	0	619
731.3898	67.2374	273.8285	3	6.33	06-Apr-00	17:06:42	F	0	620
731.192	35.3517	115.6532	3	6.33	06-Apr-00	17:06:55	F	0	621
731.9116	69.5698	76.2573	3	6.33	06-Apr-00	17:07:16	F	0	622
731.6902	49.9588	110.9403	4	6.33	06-Apr-00	17:07:28	F	0	623
732.2888	70.9081	45.3413	1	6.33	06-Apr-00	17:07:39	F	0	624
732.4171	63.6615	56.1594	4	6.33	06-Apr-00	17:07:49	F	0	625

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
732.5077	79.7983	54.521	4	6.33	06-Apr-00	17:08:02	F	0	626
733.2072	71.0609	321.8937	4	6.33	06-Apr-00	17:08:57	F	0	627
733.2189	71.7043	229.4609	3	6.33	06-Apr-00	17:09:22	F	0	628
733.4927	65.2387	25.4894	4	6.33	06-Apr-00	17:09:37	F	0	629
733.5978	69.8081	321.9573	4	6.33	06-Apr-00	17:10:02	F	0	630
734.0723	57.667	57.6244	3	6.33	06-Apr-00	17:10:12	F	0	631
734.2631	34.8608	339.7128	4	6.33	06-Apr-00	17:10:23	F	0	632
734.3229	72.1577	334.9662	3	6.33	06-Apr-00	17:10:38	F	0	633
734.8883	64.281	32.8323	2	6.33	06-Apr-00	17:10:51	F	0	634
734.5361	48.5276	20.8413	5	6.33	06-Apr-00	17:11:31	F	0	636
735.3947	84.5313	296.4366	5	6.33	06-Apr-00	17:11:53	F	0	637
735.2511	73.1687	353.3354	4	6.33	06-Apr-00	17:12:10	F	0	638
735.7742	68.47	48.0043	5	6.33	06-Apr-00	17:12:21	F	0	639
735.9194	58.3151	14.5997	5	6.33	06-Apr-00	17:12:35	F	0	640
736.1134	67.1117	17.2772	5	6.33	06-Apr-00	17:12:42	F	0	641
736.3597	61.6595	16.9976	2	6.33	06-Apr-00	17:12:51	F	0	642
736.62	66.2777	2.1202	4	6.33	06-Apr-00	17:13:05	F	0	643
736.6053	73.756	96.4236	5	6.33	06-Apr-00	17:13:18	F	0	644
734.2168	66.9374	69.3848	4	6.33	06-Apr-00	17:14:32	F	0	645
736.9786	60.2123	171.8906	5	6.33	06-Apr-00	17:14:49	F	0	646
736.4819	51.6719	273.2006	4	6.33	06-Apr-00	17:15:00	F	0	647
737.0588	69.6809	163.1585	5	6.33	06-Apr-00	17:15:13	F	0	648
736.8991	77.1861	272.6191	5	6.33	06-Apr-00	17:15:25	F	0	649
738.8329	75.3925	135.0143	3	6.33	06-Apr-00	17:19:16	F	0	650
738.2971	73.9982	156.7313	4	6.33	06-Apr-00	17:19:30	F	0	651
738.2102	81.3824	160.4805	3	6.33	06-Apr-00	17:19:47	F	0	652
738.6508	70.8242	153.0878	3	6.33	06-Apr-00	17:20:19	F	0	653
738.6402	75.7419	137.3716	4	6.33	06-Apr-00	17:20:29	F	0	654
738.2245	72.226	150.942	4	6.33	06-Apr-00	17:20:43	F	0	655
738.9993	66.4397	65.5323	3	6.33	06-Apr-00	17:20:54	F	0	656
741.4165	64.6114	25.0544	2	6.33	06-Apr-00	17:21:03	F	0	657
741.7638	60.5825	33.3667	3	6.33	06-Apr-00	17:21:13	F	0	658
741.6	71.0215	181.4265	4	6.33	06-Apr-00	17:21:27	F	0	659
741.2134	70.1297	180.0107	4	6.33	06-Apr-00	17:21:45	F	0	660
741.1827	73.6785	233.7653	5	6.33	06-Apr-00	17:22:04	F	0	661
742.1894	67.5705	176.996	2	6.33	06-Apr-00	17:23:15	F	0	662
742.4636	53.4344	156.49	3	6.33	06-Apr-00	17:23:25	F	0	663
742.6365	71.1908	158.3506	3	6.33	06-Apr-00	17:23:36	F	0	664
743.8395	68.7437	144.3946	2	6.33	06-Apr-00	17:23:52	F	0	665
744.521	66.0402	32.7344	2	6.33	06-Apr-00	17:24:10	F	0	666
744.9193	57.7992	173.7551	4	6.33	06-Apr-00	17:24:19	F	0	667
744.6642	61.8973	120.0389	4	6.33	06-Apr-00	17:24:30	F	0	668
745.104	67.949	193.1292	3	6.33	06-Apr-00	17:24:55	F	0	669
745.7148	65.3532	31.5123	2	6.33	06-Apr-00	17:25:15	F	0	670
745.3626	57.095	192.2369	4	6.33	06-Apr-00	17:25:26	F	0	671
742.7448	52.2507	49.1135	4	6.33	06-Apr-00	17:25:37	F	0	672
745.5444	56.0955	210.712	4	6.33	06-Apr-00	17:25:51	F	0	673
745.6866	67.3375	207.1279	4	6.33	06-Apr-00	17:25:59	F	0	674
748.1028	57.1691	29.3968	1	6.33	06-Apr-00	17:27:01	F	0	675
748.3702	58.4152	23.2181	2	6.33	06-Apr-00	17:27:09	F	0	676
748.9814	66.6843	190.4446	2	6.33	06-Apr-00	17:27:17	F	0	677

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
747.6196	62.6306	121.3635	4	6.33	06-Apr-00	17:27:42	F	0	678
747.3647	72.1176	151.6467	3	6.33	06-Apr-00	17:27:54	F	0	679
747.1391	57.1686	158.2554	4	6.33	06-Apr-00	17:28:04	F	0	680
748.4921	61.9617	170.6746	4	6.33	06-Apr-00	17:28:18	F	0	681
749.4954	67.0573	191.0933	4	6.33	06-Apr-00	17:28:32	F	0	682
749.7064	70.7824	190.6654	5	6.33	06-Apr-00	17:28:46	F	0	683
746.4348	66.9715	187.2173	5	6.33	06-Apr-00	17:29:03	F	0	684
746.7344	52.267	178.0598	5	6.33	06-Apr-00	17:29:23	F	0	685
748.7651	66.5343	171.6089	5	6.33	06-Apr-00	17:29:34	F	0	686
749.9935	71.3168	73.5441	2	6.3278	07-Apr-00	09:14:25	F	0	687
750.0618	68.3691	191.3163	4	6.3232	07-Apr-00	09:14:43	F	0	688
750.9442	61.8481	46.7411	1	6.3661	07-Apr-00	09:15:04	F	0	689
751.228	65.772	168.078	2	6.3736	07-Apr-00	09:15:12	F	0	690
750.8948	69.2351	193.2252	2	6.3754	07-Apr-00	09:15:23	F	0	691
752.3106	63.0667	79.1439	5	6.4	07-Apr-00	09:15:38	F	0	692
752.6764	73.5498	147.0581	4	6.4	07-Apr-00	09:15:48	F	0	693
753.1298	63.2769	20.102	2	6.4	07-Apr-00	09:16:27	F	0	694
756.5394	57.2298	44.2538	1	6.4	07-Apr-00	09:16:38	F	0	695
755.2443	66.4003	144.3939	3	6.4	07-Apr-00	09:16:51	F	0	696
756.4918	67.3144	37.7552	5	6.4	07-Apr-00	09:17:14	F	0	697
755.5485	84.5883	198.143	4	6.4	07-Apr-00	09:17:38	F	0	698
755.6938	84.1384	291.7723	5	6.4	07-Apr-00	09:17:47	F	0	699
754.9819	75.105	172.5286	4	6.4	07-Apr-00	09:18:03	F	0	700
757.1525	53.987	42.479	2	6.4	07-Apr-00	09:18:45	F	0	701
758.0242	60.1499	27.9328	1	6.4	07-Apr-00	09:18:53	F	0	702
758.6645	58.2738	35.7807	1	6.4	07-Apr-00	09:19:02	F	0	703
759.2272	65.4489	31.7951	2	6.4	07-Apr-00	09:19:16	F	0	704
759.149	70.2259	50.3855	3	6.4	07-Apr-00	09:19:30	F	0	705
759.1503	71.1674	73.9161	5	6.4	07-Apr-00	09:19:44	F	0	706
759.2936	72.0498	144.9858	2	6.4	07-Apr-00	09:19:55	F	0	707
759.2264	46.1779	272.7684	4	6.4	07-Apr-00	09:20:12	F	0	708
759.3181	40.2456	269.0303	4	6.4	07-Apr-00	09:20:19	F	0	709
757.5795	76.1788	58.1813	4	6.4	07-Apr-00	09:21:10	F	0	710
757.4615	33.4702	329.7093	4	6.3921	07-Apr-00	09:21:18	F	0	711
757.9849	68.68	116.1464	4	6.4	07-Apr-00	09:21:40	F	0	712
758.2783	42.7901	160.3336	5	6.4	07-Apr-00	09:21:52	F	0	713
759.7267	28.4602	86.3093	1	6.4279	07-Apr-00	09:22:07	F	0	714
760.3588	50.9918	47.5027	2	6.3576	07-Apr-00	09:22:16	F	0	715
760.83	68.4621	47.8684	3	6.35	07-Apr-00	09:22:30	F	0	716
760.7332	53.0008	245.3557	2	6.35	07-Apr-00	09:22:42	F	0	717
760.4609	53.3513	251.43	4	6.3512	07-Apr-00	09:22:53	F	0	718
760.0339	38.2788	264.8592	4	6.3954	07-Apr-00	09:23:06	F	0	719
761.5974	68.9539	243.3632	3	6.35	07-Apr-00	09:23:55	F	0	720
761.1276	44.9605	262.8506	2	6.35	07-Apr-00	09:24:04	F	0	721
761.7986	64.928	121.7633	3	6.35	07-Apr-00	09:24:23	F	0	722
761.7019	66.479	120.6432	3	6.35	07-Apr-00	09:24:34	F	0	723
762.2698	58.8413	172.9464	4	6.344	07-Apr-00	09:24:49	F	0	724
762.178	60.8644	173.3125	5	6.3256	07-Apr-00	09:24:56	F	0	725
763.2822	46.9372	31.9582	1	6.35	07-Apr-00	09:25:08	F	0	726
764.3546	71.5972	28.5327	3	6.35	07-Apr-00	09:25:26	F	0	727
763.5604	46.4876	29.0867	3	6.35	07-Apr-00	09:25:38	F	0	728

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
764.7005	44.4254	296.9	2	6.35	07-Apr-00	09:25:56	F	0	729
764.8137	38.0548	207.5953	3	6.3546	07-Apr-00	09:26:07	F	0	730
763.8207	78.5538	250.677	4	6.35	07-Apr-00	09:26:18	F	0	731
764.6666	72.5972	152.4291	4	6.35	07-Apr-00	09:26:31	F	0	732
763.573	77.7013	92.8361	4	6.35	07-Apr-00	09:26:44	F	0	733
763.1981	69.3408	123.6752	5	6.35	07-Apr-00	09:26:59	F	0	734
763.2148	49.0268	202.0379	4	6.35	07-Apr-00	09:27:13	F	0	735
761.3615	44.3152	274.5494	4	6.35	07-Apr-00	09:27:29	F	0	736
761.2661	48.9985	262.3619	4	6.35	07-Apr-00	09:27:36	F	0	737
761.9297	31.0286	63.2525	2	6.35	07-Apr-00	09:27:52	F	0	738
762.9767	59.7649	144.1269	4	6.35	07-Apr-00	09:28:05	F	0	739
765.6735	50.7997	29.8948	1	6.3818	07-Apr-00	09:28:59	F	0	740
766.3939	48.0547	36.9809	1	6.3583	07-Apr-00	09:29:10	F	0	741
767.3876	49.7794	37.1943	2	6.3872	07-Apr-00	09:29:24	F	0	742
768.1523	68.6046	136.8794	3	6.374	07-Apr-00	09:29:41	F	0	743
768.7694	63.9149	277.985	1	6.35	07-Apr-00	09:29:55	F	0	744
768.6649	58.9079	283.447	4	6.35	07-Apr-00	09:30:08	F	0	745
766.1776	40.9907	258.2375	3	6.3616	07-Apr-00	09:30:25	F	0	746
766.4789	34.7975	265.1152	3	6.36	07-Apr-00	09:30:32	F	0	747
765.0001	45.9757	202.6815	3	6.3333	07-Apr-00	09:30:52	F	0	748
765.6306	66.2809	277.317	3	6.3741	07-Apr-00	09:33:56	F	0	749
765.8799	55.2666	222.7872	3	6.3767	07-Apr-00	09:34:16	F	0	750
766.6624	58.8744	149.3753	2	6.3723	07-Apr-00	09:34:28	F	0	751
766.7369	67.4286	73.5988	3	6.3821	07-Apr-00	09:34:55	F	0	752
767.022	28.8538	253.4662	3	6.3811	07-Apr-00	09:35:16	F	0	753
765.7241	77.5212	95.6487	4	6.3886	07-Apr-00	09:35:45	F	0	754
765.6908	73.5091	160.159	3	6.3841	07-Apr-00	09:35:59	F	0	755
766.3792	83.2299	98.8457	5	6.3573	07-Apr-00	09:36:28	F	0	756
767.5428	50.443	120.4483	4	6.3824	07-Apr-00	09:36:47	F	0	757
768.4001	44.4221	51.5152	4	6.4	07-Apr-00	09:37:00	F	0	758
768.8324	31.0803	177.8123	4	6.35	07-Apr-00	09:37:14	F	0	759
768.471	73.5826	258.2828	4	6.3763	07-Apr-00	09:37:28	F	0	760
767.784	23.9758	102.2414	5	6.3596	07-Apr-00	09:38:00	F	0	761
768.4597	60.6874	204.81	5	6.3801	07-Apr-00	11:53:20	F	0	762
768.4525	54.4416	140.5403	5	6.3825	07-Apr-00	11:53:35	F	0	763
769.1189	46.7856	38.2582	1	6.379	07-Apr-00	11:54:12	F	0	764
769.3928	58.6675	176.4202	3	6.3849	07-Apr-00	11:54:33	F	0	765
770.0504	75.9988	182.7397	3	6.4	07-Apr-00	11:55:14	F	0	766
769.4982	67.6003	161.9837	5	6.3919	07-Apr-00	11:55:54	F	0	767
770.8174	65.6825	161.1576	3	6.4	07-Apr-00	12:05:39	F	0	768
771.6748	59.5855	35.5059	1	6.4	07-Apr-00	12:05:49	F	0	769
771.1594	56.7309	165.0219	4	6.4	07-Apr-00	12:06:26	F	0	770
770.5447	50.579	138.9597	5	6.4	07-Apr-00	12:06:39	F	0	771
770.8156	52.4126	168.8816	4	6.4	07-Apr-00	12:07:06	F	0	772
770.9843	49.2129	176.4337	5	6.4	07-Apr-00	12:07:22	F	0	773
770.8297	79.8096	253.9954	5	6.4	07-Apr-00	12:07:39	F	0	774
772.1879	35.7723	245.3219	3	6.4	07-Apr-00	12:08:10	F	0	775
772.36	52.3548	244.3763	1	6.4	07-Apr-00	12:08:20	F	0	776
771.8649	71.532	172.3566	5	6.4	07-Apr-00	12:08:58	F	0	777
771.8115	67.3106	146.5494	3	6.4	07-Apr-00	12:09:10	F	0	778
773.1468	43.1831	60.9676	2	6.3556	07-Apr-00	12:10:43	F	0	779

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
773.5461	58.9722	92.2925	2	6.4	07-Apr-00	12:11:07	F	0	780
773.8026	70.386	95.9737	4	6.4	07-Apr-00	12:11:34	F	0	781
774.1197	74.3685	16.0932	4	6.4	07-Apr-00	12:11:58	F	0	782
775.1257	60.8456	76.3756	2	6.4	07-Apr-00	12:12:28	F	0	783
776.13	51.9276	213.9282	4	6.4	07-Apr-00	12:12:58	F	0	784
776.6152	40.5726	50.6951	4	6.3539	07-Apr-00	12:13:11	F	0	785
776.2333	36.9014	169.0424	4	6.4	07-Apr-00	12:13:32	F	0	786
776.7386	73.5237	124.0188	5	6.3572	07-Apr-00	12:13:55	F	0	787
773.8471	76.9812	158.2552	4	6.4	07-Apr-00	12:14:14	F	0	788
775.3621	82.5616	142.6866	5	6.4	07-Apr-00	12:14:32	F	0	789
777.1957	71.0512	272.6252	3	6.4	07-Apr-00	12:15:14	F	0	790
777.2261	39.6891	190.4829	4	6.4	07-Apr-00	12:15:23	F	0	791
777.421	58.4392	175.5689	4	6.4	07-Apr-00	12:15:34	F	0	792
778.2336	69.6119	23.8139	1	6.3852	07-Apr-00	12:15:45	F	0	793
779.0026	68.0241	30.3599	1	6.4	07-Apr-00	12:15:55	F	0	794
780.2423	64.6394	30.1032	1	6.4	07-Apr-00	12:16:07	F	0	795
779.7715	55.9645	152.4808	3	6.4	07-Apr-00	12:16:22	F	0	796
779.6427	64.4358	133.5346	3	6.4	07-Apr-00	12:16:34	F	0	797
780.4418	36.8721	152.0134	2	6.4	07-Apr-00	12:17:02	F	0	798
782.0104	72.4962	350.1091	3	6.4	07-Apr-00	12:17:40	F	0	799
782.5911	57.0032	17.2929	1	6.4	07-Apr-00	12:17:50	F	0	800
781.4115	31.8882	133.9889	1	6.3962	07-Apr-00	12:17:59	F	0	801
781.9272	25.5419	170.3081	2	6.4	07-Apr-00	12:18:07	F	0	802
782.0244	28.3657	157.3814	3	6.4	07-Apr-00	12:18:17	F	0	803
782.107	25.5615	143.9091	2	6.4	07-Apr-00	12:18:26	F	0	804
782.2307	23.8394	137.9141	4	6.4	07-Apr-00	12:18:37	F	0	805
782.2938	21.5058	192.962	4	6.4	07-Apr-00	12:18:43	F	0	806
782.3807	23.4362	162.7138	4	6.4	07-Apr-00	12:18:50	F	0	807
781.1824	55.7892	18.5586	4	6.4	07-Apr-00	12:19:11	F	0	808
781.0192	55.7357	22.1009	5	6.4	07-Apr-00	12:19:23	F	0	809
783.233	74.4752	152.6289	4	6.4	07-Apr-00	12:20:05	F	0	810
783.7862	63.3236	292.208	2	6.4	07-Apr-00	12:20:42	F	0	811
784.1132	65.7795	116.8696	4	6.4	07-Apr-00	12:20:56	F	0	812
784.301	71.1231	159.7769	3	6.4	07-Apr-00	12:21:11	F	0	813
783.9015	60.15	121.3389	5	6.4	07-Apr-00	12:21:32	F	0	814
782.9197	70.4095	141.9254	4	6.4	07-Apr-00	12:21:47	F	0	815
784.7284	48.0181	147.5619	4	6.4	07-Apr-00	12:21:59	F	0	816
781.4819	54.4663	259.9244	5	6.3918	07-Apr-00	12:22:09	F	0	817
782.6536	61.7941	237.8094	4	6.4	07-Apr-00	12:22:27	F	0	818
785.0771	74.699	126.0841	4	6.4	07-Apr-00	12:22:55	F	0	819
784.6309	59.2554	152.1962	4	6.4	07-Apr-00	12:23:20	F	0	820
785.0581	65.6125	269.8816	4	6.4	07-Apr-00	12:24:03	F	0	821
786.5944	70.9999	292.7645	4	6.4	07-Apr-00	12:24:24	F	0	822
786.673	48.387	119.3457	2	6.4	07-Apr-00	12:24:32	F	0	823
787.7471	53.9544	149.0205	2	6.4	07-Apr-00	12:24:44	F	0	824
788.4125	63.9294	136.2771	4	6.3858	07-Apr-00	12:25:13	F	0	825
788.7411	76.3666	133.7217	4	6.3453	07-Apr-00	12:25:43	F	0	826
787.3828	58.2789	143.3472	4	6.4	07-Apr-00	12:26:06	F	0	827
786.0107	53.3774	252.5671	5	6.4	07-Apr-00	12:26:30	F	0	828
787.4072	70.5834	285.3335	5	6.4	07-Apr-00	12:26:44	F	0	829
786.4374	69.4193	136.7093	4	6.4	07-Apr-00	12:27:03	F	0	830

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
785.5012	66.6138	79.011	4	6.4	07-Apr-00	12:27:18	F	0	831
787.1498	77.288	276.7367	3	6.4	07-Apr-00	12:28:19	F	0	832
788.9649	64.7855	92.5397	4	6.3497	07-Apr-00	12:28:45	F	0	833
789.1561	31.1255	130.2626	4	6.3417	07-Apr-00	12:28:58	F	0	834
789.3966	65.2638	183.3521	4	6.35	07-Apr-00	12:29:14	F	0	835
789.6053	77.6708	13.3805	4	6.35	07-Apr-00	12:29:34	F	0	836
789.8884	54.5185	23.0496	3	6.35	07-Apr-00	12:29:42	F	0	837
788.986	80.9417	12.3536	5	6.349	07-Apr-00	12:30:11	F	0	838
786.7852	79.0517	98.7909	5	6.4	07-Apr-00	12:30:31	F	0	839
787.4892	71.5669	273.7399	5	6.4	07-Apr-00	12:30:43	F	0	840
788.4981	73.5398	95.2592	5	6.3573	07-Apr-00	12:31:04	F	0	841

Table App 9.3 - Discontinuity data file generated from the FMI imagery tool.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
630.0023	62.1373	17.6882	/	6.35	17-Dec-93	09:11:31	F	0	1971
630.3527	38.0912	51.9409	/	6.33	17-Dec-93	09:11:58	F	0	1974
630.6254	54.5098	207.5065	/	6.33	17-Dec-93	09:11:52	F	0	1973
630.7469	66.0095	35.9521	/	6.33	17-Dec-93	09:11:41	F	0	1972
631.099	49.0339	199.9769	/	6.33	17-Dec-93	09:12:31	F	0	1976
631.1028	58.7324	10.4485	/	6.33	17-Dec-93	09:16:23	F	0	1978
631.7973	80.8238	19.4707	/	6.33	17-Dec-93	09:16:35	F	0	1979
631.8438	44.1713	211.0647	/	6.33	17-Dec-93	09:12:45	F	0	1977
632.1672	61.0482	12.4244	/	6.33	17-Dec-93	09:19:55	F	0	1981
632.3033	58.6948	50.7381	/	6.33	17-Dec-93	09:20:07	F	0	1982
632.4839	41.0962	276.3575	/	6.33	17-Dec-93	09:22:10	F	0	1992
632.7618	34.0687	305.1931	/	6.33	17-Dec-93	09:20:18	F	0	1983
633.1456	52.6118	329.7765	/	6.33	17-Dec-93	09:22:18	F	0	1993
633.1849	16.067	131.5618	/	6.33	17-Dec-93	09:20:24	F	0	1984
633.4221	10.0865	47.2159	/	6.33	17-Dec-93	09:22:28	F	0	1994
633.6312	25.4895	95.4594	/	6.33	17-Dec-93	09:20:42	F	0	1986
633.6509	73.5667	15.0409	/	6.33	17-Dec-93	09:20:34	F	0	1985
633.8544	12.8718	165.3114	/	6.33	17-Dec-93	09:20:57	F	0	1987
634.0899	72.6719	312.0798	/	6.33	17-Dec-93	09:21:10	F	0	1988
634.2838	42.1988	163.8091	/	6.33	17-Dec-93	09:21:19	F	0	1989
634.6055	81.7808	1.0522	/	6.33	17-Dec-93	09:22:44	F	0	1995
634.86	59.7283	166.2475	/	6.33	11-Jan-94	14:04:33	F	0	2601
635.1404	64.8467	346.6027	/	6.33	17-Dec-93	09:21:31	F	0	1990
635.4794	27.3708	175.4193	/	6.33	11-Jan-94	14:05:03	F	0	2602
635.5406	65.2168	26.3653	/	6.33	17-Dec-93	09:22:55	F	0	1996
635.9857	72.7525	18.1388	/	6.33	17-Dec-93	09:25:55	F	0	1997
636.3275	42.0368	270.8633	/	6.33	17-Dec-93	09:29:12	F	0	2012
636.4445	65.7584	105.8075	/	6.33	17-Dec-93	09:26:03	F	0	1998
636.6048	43.6466	88.3326	/	6.33	17-Dec-93	09:26:09	F	0	1999
636.9272	67.8861	37.6157	/	6.33	17-Dec-93	09:26:28	F	0	2001
636.9772	78.6996	162.0434	/	6.33	17-Dec-93	09:26:22	F	0	2000
637.2638	11.1916	272.1129	/	6.33	17-Dec-93	09:29:25	F	0	2013
637.7725	74.9137	328.83	/	6.33	11-Jan-94	14:09:33	F	0	2603
638.0849	77.1137	33.5475	/	6.33	11-Jan-94	17:21:03	F	0	2630
638.1063	67.5504	58.5269	/	6.33	17-Dec-93	09:26:38	F	0	2002
638.2153	56.9109	47.1967	/	6.33	17-Dec-93	09:27:07	F	0	2003
638.4692	29.4063	142.5878	/	6.33	17-Dec-93	09:27:15	F	0	2004
638.6359	54.994	141.3069	/	6.33	17-Dec-93	09:27:35	F	0	2006
638.9691	44.5919	126.9418	/	6.33	17-Dec-93	09:27:42	F	0	2007
639.1623	37.4687	183.9355	/	6.33	17-Dec-93	09:29:35	F	0	2014
639.283	73.16	336.8851	/	6.33	17-Dec-93	09:28:04	F	0	2008
639.3796	26.8105	340.5693	/	6.33	17-Dec-93	09:29:42	F	0	2015
639.4863	62.7918	34.5806	/	6.33	17-Dec-93	09:28:11	F	0	2009
639.5167	75.5645	8.0244	/	6.33	17-Dec-93	09:28:18	F	0	2010
639.7682	57.2369	42.4389	/	6.33	17-Dec-93	09:29:50	F	0	2016
639.8317	55.1323	196.0464	/	6.33	17-Dec-93	09:28:28	F	0	2011
639.9677	52.0519	32.0626	/	6.33	17-Dec-93	09:29:59	F	0	2017
640.2007	57.5405	351.5392	/	6.33	17-Dec-93	09:35:25	F	0	2018
640.3843	20.5398	223.3052	/	6.33	17-Dec-93	09:38:42	F	0	2033
640.4783	80.0548	306.2602	/	6.33	17-Dec-93	09:35:43	F	0	2019
640.6729	42.6772	180.986	/	6.33	17-Dec-93	09:36:03	F	0	2021
640.7003	69.0388	43.3438	/	6.33	17-Dec-93	09:35:55	F	0	2020

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
640.7042	49.5341	21.3582	/	6.33	17-Dec-93	09:36:11	F	0	2022
640.7416	52.621	190.6886	/	6.33	17-Dec-93	09:36:20	F	0	2023
640.9207	59.5738	148.5155	/	6.33	17-Dec-93	09:36:39	F	0	2025
641.145	47.4278	317.2033	/	6.33	17-Dec-93	09:38:58	F	0	2034
641.1843	69.4119	357.4892	/	6.33	17-Dec-93	09:36:31	F	0	2024
641.3182	27.7284	182.3954	/	6.33	17-Dec-93	09:36:47	F	0	2026
641.5677	44.4946	184.9248	/	6.33	17-Dec-93	09:37:00	F	0	2027
641.9702	66.0523	15.7477	/	6.33	17-Dec-93	09:37:15	F	0	2028
642.067	65.7877	18.4422	/	6.33	11-Jan-94	14:14:13	F	0	2604
642.4705	72.8466	320.6543	/	6.33	17-Dec-93	09:37:48	F	0	2030
643.0345	64.5257	3.3877	/	6.33	17-Dec-93	09:38:05	F	0	2031
643.3945	36.0499	200.8162	/	6.33	17-Dec-93	09:39:55	F	0	2036
643.6071	44.1953	231.8049	/	6.33	17-Dec-93	09:38:13	F	0	2032
643.7876	52.2843	329.5339	/	6.33	17-Dec-93	09:39:23	F	0	2035
644.1838	68.3601	36.0273	/	6.33	17-Dec-93	09:42:03	F	0	2037
644.2362	45.203	299.5762	/	6.33	17-Dec-93	09:42:09	F	0	2038
644.5947	71.6826	34.226	/	6.33	17-Dec-93	09:42:32	F	0	2039
644.6663	38.0555	154.5802	/	6.33	17-Dec-93	09:46:09	F	0	2058
644.9014	36.4334	180.5881	/	6.33	17-Dec-93	09:42:39	F	0	2040
645.1866	54.6885	43.2283	/	6.33	17-Dec-93	09:42:58	F	0	2041
645.1937	51.1273	198.5552	/	6.33	17-Dec-93	09:46:00	F	0	2057
645.595	54.6049	78.7911	/	6.33	17-Dec-93	09:43:17	F	0	2042
645.6341	58.4715	310.484	/	6.33	17-Dec-93	09:43:27	F	0	2043
645.8479	34.3758	167.2656	/	6.33	17-Dec-93	09:43:51	F	0	2044
646.0547	56.9254	313.9129	/	6.33	17-Dec-93	09:43:59	F	0	2045
646.3954	60.1715	56.2442	/	6.33	17-Dec-93	09:44:11	F	0	2046
646.4023	36.122	136.6941	/	6.33	17-Dec-93	09:44:23	F	0	2047
646.7347	47.9348	93.7368	/	6.33	17-Dec-93	09:44:37	F	0	2048
646.749	21.2159	354.0089	/	6.33	17-Dec-93	09:46:31	F	0	2059
646.9874	25.9384	154.4243	/	6.33	17-Dec-93	09:44:49	F	0	2049
647.0153	56.7644	321.3286	/	6.33	17-Dec-93	09:44:57	F	0	2050
647.3063	37.8482	154.3743	/	6.33	17-Dec-93	09:47:10	F	0	2061
647.3988	40.7137	164.5157	/	6.33	17-Dec-93	09:45:17	F	0	2052
647.4332	63.5127	17.1324	/	6.33	11-Jan-94	14:17:25	F	0	2605
647.647	24.5794	175.7152	/	6.33	17-Dec-93	09:45:26	F	0	2053
647.6847	56.8696	59.8742	/	6.33	17-Dec-93	09:45:34	F	0	2054
647.8466	60.0314	38.8396	/	6.33	17-Dec-93	09:45:43	F	0	2055
647.9477	62.3539	41.6714	/	6.33	17-Dec-93	09:45:49	F	0	2056
647.9927	22.8902	143.9897	/	6.33	17-Dec-93	09:46:57	F	0	2060
648.0457	52.8615	94.9584	/	6.33	17-Dec-93	09:49:49	F	0	2062
648.337	36.2014	252.3663	/	6.33	17-Dec-93	09:50:12	F	0	2064
648.5394	69.0567	100.3293	/	6.33	17-Dec-93	09:50:05	F	0	2063
648.5884	41.2048	149.9623	/	6.33	17-Dec-93	09:50:19	F	0	2065
649.0835	78.0127	255.1034	/	6.33	17-Dec-93	09:50:52	F	0	2067
649.1561	71.6716	45.047	/	6.33	17-Dec-93	09:50:41	F	0	2066
649.26	49.3718	356.1234	/	6.33	17-Dec-93	09:51:20	F	0	2070
649.5895	3.297	123.5725	/	6.33	17-Dec-93	09:51:10	F	0	2069
649.5998	77.1096	253.8025	/	6.33	17-Dec-93	09:51:02	F	0	2068
649.7735	58.0398	145.0546	/	6.33	17-Dec-93	09:54:28	F	0	2078
649.9496	43.3013	149.6952	/	6.33	17-Dec-93	09:51:28	F	0	2071
650.324	71.7075	8.3083	/	6.33	17-Dec-93	09:51:44	F	0	2072

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
650.519	65.3435	26.1308	/	6.33	17-Dec-93	09:51:51	F	0	2073
650.6346	30.9202	206.0027	/	6.33	17-Dec-93	09:51:59	F	0	2074
650.7501	36.253	211.6796	/	6.33	17-Dec-93	09:54:41	F	0	2079
650.8586	59.1295	27.2264	/	6.33	17-Dec-93	09:54:03	F	0	2075
651.0989	67.5707	348.1423	/	6.33	17-Dec-93	09:54:11	F	0	2076
651.0992	46.5119	212.3158	/	6.33	17-Dec-93	09:54:52	F	0	2080
651.2186	67.5252	7.0249	/	6.33	17-Dec-93	09:54:18	F	0	2077
651.31	34.7979	165.6468	/	6.33	17-Dec-93	09:55:14	F	0	2082
651.4035	41.1669	153.8394	/	6.33	17-Dec-93	09:55:19	F	0	2083
651.4698	75.6691	22.9381	/	6.33	17-Dec-93	09:55:00	F	0	2081
651.7233	63.7686	139.4883	/	6.33	17-Dec-93	09:56:14	F	0	2084
651.7546	69.2606	18.1647	/	6.33	17-Dec-93	09:56:24	F	0	2085
652.2949	70.0865	46.3961	/	6.33	17-Dec-93	09:58:49	F	0	2086
652.5427	78.1864	17.7636	/	6.33	17-Dec-93	09:59:05	F	0	2088
652.7	58.1395	73.5903	/	6.33	17-Dec-93	09:58:57	F	0	2087
653.0928	48.3229	68.3701	/	6.33	17-Dec-93	09:59:23	F	0	2089
653.2192	59.1143	58.5347	/	6.33	17-Dec-93	09:59:30	F	0	2090
653.3083	54.4195	77.3296	/	6.33	17-Dec-93	09:59:37	F	0	2091
653.3558	43.0211	285.9405	/	6.33	17-Dec-93	10:01:21	F	0	2103
653.5737	48.5912	140.1187	/	6.33	17-Dec-93	09:59:44	F	0	2092
653.7896	54.0934	55.2148	/	6.33	17-Dec-93	09:59:53	F	0	2093
653.8723	50.0828	279.8058	/	6.33	17-Dec-93	10:01:30	F	0	2104
653.9562	47.0181	302.6855	/	6.33	17-Dec-93	10:00:00	F	0	2094
654.0528	47.652	308.1403	/	6.33	17-Dec-93	10:00:07	F	0	2095
654.3271	38.4553	294.9149	/	6.33	17-Dec-93	10:00:15	F	0	2096
654.436	27.5709	280.3407	/	6.33	17-Dec-93	10:00:23	F	0	2097
654.6304	46.1779	265.0474	/	6.33	17-Dec-93	10:00:30	F	0	2098
654.8964	47.8776	299.2842	/	6.33	17-Dec-93	10:00:39	F	0	2099
655.3817	52.548	310.5728	/	6.33	17-Dec-93	10:01:04	F	0	2101
655.5277	51.648	31.3137	/	6.33	17-Dec-93	10:00:55	F	0	2100
655.6564	31.9765	145.5174	/	6.33	17-Dec-93	10:01:13	F	0	2102
656.1576	27.091	150.5553	/	6.3612	17-Dec-93	10:04:21	F	0	2106
656.3883	64.5081	301.7518	/	6.38	17-Dec-93	10:04:15	F	0	2105
656.8152	67.3799	28.3971	/	6.33	17-Dec-93	10:04:37	F	0	2108
656.8611	68.7071	315.9205	/	6.33	17-Dec-93	10:04:29	F	0	2107
657.1934	8.3418	314.7809	/	6.33	17-Dec-93	10:05:05	F	0	2111
657.2352	46.9396	274.465	/	6.33	17-Dec-93	10:04:58	F	0	2110
657.3063	29.4411	146.4567	/	6.33	17-Dec-93	10:04:50	F	0	2109
657.41	49.3976	144.7048	/	6.33	17-Dec-93	10:05:15	F	0	2112
657.6134	72.4574	316.9102	/	6.33	17-Dec-93	10:05:26	F	0	2113
657.7705	57.6685	327.7043	/	6.33	17-Dec-93	10:05:42	F	0	2114
657.8597	49.8819	323.5915	/	6.33	17-Dec-93	10:06:34	F	0	2117
657.9147	36.2017	8.7468	/	6.33	17-Dec-93	10:05:52	F	0	2115
658.025	37.1236	160.8363	/	6.34	17-Dec-93	10:06:43	F	0	2118
658.1957	80.1793	23.3747	/	6.35	17-Dec-93	10:06:13	F	0	2116
658.2452	30.3157	136.426	/	6.35	17-Dec-93	10:06:50	F	0	2119
658.3492	34.6216	154.5213	/	6.35	17-Dec-93	10:06:58	F	0	2120
658.7022	44.8469	145.8006	/	6.35	17-Dec-93	10:07:06	F	0	2121
658.827	29.1199	170.1479	/	6.35	17-Dec-93	10:08:31	F	0	2128
658.9161	38.2614	147.7339	/	6.35	17-Dec-93	10:07:16	F	0	2122
658.956	74.2869	354.1165	/	6.35	17-Dec-93	10:08:20	F	0	2127

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
659.3849	38.8702	256.552	/	6.33	17-Dec-93	10:07:26	F	0	2123
659.5422	75.2295	30.7086	/	6.33	17-Dec-93	10:07:36	F	0	2124
659.6628	35.9142	139.0557	/	6.33	17-Dec-93	10:07:44	F	0	2125
659.8455	52.4101	169.5422	/	6.33	17-Dec-93	10:07:53	F	0	2126
660.0099	39.8126	154.2364	/	6.35	17-Dec-93	10:14:17	F	0	2129
660.1516	56.5146	19.8871	/	6.35	17-Dec-93	10:14:26	F	0	2130
660.1693	52.0119	167.9911	/	6.35	17-Dec-93	10:15:59	F	0	2140
660.2827	30.2567	153.1607	/	6.35	17-Dec-93	10:14:32	F	0	2131
660.4783	23.5779	320.6223	/	6.35	17-Dec-93	10:14:39	F	0	2132
660.5541	51.7913	272.3897	/	6.35	17-Dec-93	10:15:51	F	0	2139
660.6388	31.8056	157.2633	/	6.33	17-Dec-93	10:14:47	F	0	2133
660.6946	32.1325	146.8932	/	6.33	17-Dec-93	10:15:00	F	0	2134
660.8306	29.5931	148.649	/	6.33	17-Dec-93	10:15:05	F	0	2135
661.2169	38.1496	129.2775	/	6.33	17-Dec-93	10:15:12	F	0	2136
661.3062	37.2301	139.2422	/	6.33	17-Dec-93	10:15:20	F	0	2137
661.3797	44.2417	132.5575	/	6.33	17-Dec-93	10:15:27	F	0	2138
661.6756	26.6645	194.5831	/	6.33	17-Dec-93	10:16:07	F	0	2141
661.9291	67.2892	21.3296	/	6.33	17-Dec-93	10:16:37	F	0	2144
662.0172	25.2599	256.756	/	6.33	11-Jan-94	14:24:24	F	0	2606
662.0475	65.83	18.4392	/	6.33	17-Dec-93	10:16:16	F	0	2142
662.1096	44.135	197.0206	/	6.33	17-Dec-93	10:16:55	F	0	2146
662.2363	41.887	179.8988	/	6.33	17-Dec-93	10:17:01	F	0	2147
662.3934	17.4793	197.7648	/	6.33	17-Dec-93	10:16:47	F	0	2145
662.6674	76.5855	328.7221	/	6.33	17-Dec-93	10:17:12	F	0	2148
662.7795	64.5096	341.3237	/	6.33	17-Dec-93	10:17:20	F	0	2149
663.0466	19.3091	153.0947	/	6.33	17-Dec-93	10:17:29	F	0	2150
663.0911	31.1261	153.7964	/	6.33	17-Dec-93	10:17:36	F	0	2151
663.4697	68.1322	79.9344	/	6.33	17-Dec-93	10:17:54	F	0	2152
663.5427	45.0907	216.91	/	6.33	17-Dec-93	10:18:04	F	0	2153
663.5609	55.1297	66.7647	/	6.33	11-Jan-94	14:25:42	F	0	2607
663.8528	59.0734	75.4229	/	6.33	17-Dec-93	10:18:13	F	0	2154
664.1198	69.9303	323.857	/	6.33	17-Dec-93	10:21:09	F	0	2155
664.3461	65.1903	323.1762	/	6.33	17-Dec-93	10:21:19	F	0	2156
664.5308	54.9692	79.9638	/	6.33	17-Dec-93	10:21:27	F	0	2157
664.6695	76.5665	328.6351	/	6.33	17-Dec-93	10:21:44	F	0	2159
664.7635	63.5689	84.0362	/	6.33	17-Dec-93	10:21:37	F	0	2158
665.3143	49.6001	197.0142	/	6.33	17-Dec-93	10:22:02	F	0	2160
665.4058	60.4418	80.5272	/	6.33	17-Dec-93	10:22:10	F	0	2161
665.6155	50.4126	74.1372	/	6.33	17-Dec-93	10:22:19	F	0	2162
665.7679	69.142	79.1017	/	6.33	11-Jan-94	14:31:32	F	0	2608
665.8123	44.1195	56.5191	/	6.33	17-Dec-93	10:22:27	F	0	2163
665.8723	49.5414	58.9073	/	6.33	11-Jan-94	14:32:04	F	0	2609
665.9059	56.3306	55.8456	/	6.33	17-Dec-93	10:22:40	F	0	2164
666.0305	54.9021	217.677	/	6.33	17-Dec-93	10:22:57	F	0	2166
666.318	47.5227	208.7872	/	6.33	17-Dec-93	10:23:19	F	0	2168
666.5536	62.4314	346.726	/	6.33	17-Dec-93	10:23:09	F	0	2167
666.6177	15.3578	256.3985	/	6.33	17-Dec-93	10:23:42	F	0	2170
666.7941	55.6866	73.4386	/	6.33	17-Dec-93	10:23:31	F	0	2169
667.173	70.5101	334.6854	/	6.33	17-Dec-93	10:24:00	F	0	2172
667.1948	52.7267	94.6226	/	6.33	17-Dec-93	10:23:52	F	0	2171
667.5601	66.0727	78.8624	/	6.33	17-Dec-93	10:24:10	F	0	2173

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
668.0033	69.6788	80.3852	/	6.33	17-Dec-93	10:24:18	F	0	2174
668.3817	47.057	153.0932	/	6.33	17-Dec-93	10:29:05	F	0	2175
668.5916	72.297	21.3236	/	6.33	17-Dec-93	10:29:12	F	0	2176
668.8067	36.8864	147.9767	/	6.33	11-Jan-94	14:32:31	F	0	2610
669.0917	63.8403	74.071	/	6.33	17-Dec-93	10:29:34	F	0	2179
669.1617	45.1566	342.9328	/	6.33	17-Dec-93	10:29:27	F	0	2178
669.4257	61.6734	85.3704	/	6.33	17-Dec-93	10:29:58	F	0	2180
669.6219	68.4693	83.2162	/	6.33	17-Dec-93	10:30:05	F	0	2181
669.7964	38.476	153.8123	/	6.33	17-Dec-93	10:30:34	F	0	2184
669.7973	59.2653	84.6184	/	6.33	17-Dec-93	10:30:13	F	0	2182
670.0467	67.0621	83.5297	/	6.33	17-Dec-93	10:30:27	F	0	2183
670.1058	69.4519	320.23	/	6.33	17-Dec-93	10:30:46	F	0	2185
670.1995	33.4304	152.1357	/	6.33	17-Dec-93	10:31:05	F	0	2187
670.5046	37.1207	131.8841	/	6.33	17-Dec-93	10:30:56	F	0	2186
670.9205	71.8591	318.3797	/	6.33	17-Dec-93	10:31:14	F	0	2188
670.9376	37.2317	137.0457	/	6.33	17-Dec-93	10:31:30	F	0	2190
670.9492	64.2427	83.3154	/	6.33	17-Dec-93	10:31:24	F	0	2189
671.1039	65.0311	92.6573	/	6.33	17-Dec-93	10:31:38	F	0	2191
671.1208	68.1513	342.2456	/	6.33	17-Dec-93	10:32:46	F	0	2197
671.296	59.2119	267.1543	/	6.33	17-Dec-93	10:31:54	F	0	2192
671.3161	36.7197	143.5477	/	6.33	17-Dec-93	10:32:01	F	0	2193
671.4329	23.0419	136.111	/	6.33	17-Dec-93	10:32:16	F	0	2194
671.67	30.4583	210.005	/	6.33	17-Dec-93	10:32:35	F	0	2196
671.7174	62.6211	81.0386	/	6.33	17-Dec-93	10:32:28	F	0	2195
672.2523	64.1914	81.7136	/	6.33	17-Dec-93	10:36:58	F	0	2198
672.2661	34.8912	168.0144	/	6.33	17-Dec-93	10:37:06	F	0	2199
672.4658	37.3766	200.1572	/	6.33	17-Dec-93	10:37:13	F	0	2200
672.5036	57.4042	87.9837	/	6.33	17-Dec-93	10:37:21	F	0	2201
672.7679	38.1334	193.6886	/	6.33	17-Dec-93	10:37:29	F	0	2202
672.9225	79.3513	328.5227	/	6.33	17-Dec-93	10:37:40	F	0	2203
673.236	51.332	68.86	/	6.33	17-Dec-93	10:37:47	F	0	2204
673.5721	62.2195	88.9778	/	6.33	17-Dec-93	10:37:55	F	0	2205
673.7566	37.4269	135.6748	/	6.33	17-Dec-93	10:38:11	F	0	2207
673.8068	65.9349	94.6957	/	6.33	17-Dec-93	10:38:05	F	0	2206
673.9854	41.6111	120.6044	/	6.33	17-Dec-93	10:38:22	F	0	2208
674.0206	78.3451	320.1324	/	6.33	17-Dec-93	10:40:08	F	0	2220
674.075	47.3421	134.2273	/	6.33	17-Dec-93	10:38:31	F	0	2209
674.2534	53.0742	30.4186	/	6.33	17-Dec-93	10:38:38	F	0	2210
674.3569	63.763	20.2349	/	6.33	17-Dec-93	10:38:47	F	0	2211
674.3951	31.608	132.1964	/	6.33	17-Dec-93	10:38:56	F	0	2212
674.6959	62.0113	88.9019	/	6.33	17-Dec-93	10:39:06	F	0	2213
674.8418	27.3489	120.8816	/	6.33	17-Dec-93	10:39:14	F	0	2214
674.9985	30.0364	127.9174	/	6.33	17-Dec-93	10:39:21	F	0	2215
675.129	30.3012	116.7171	/	6.33	17-Dec-93	10:41:50	F	0	2224
675.2111	37.7688	128.5049	/	6.33	17-Dec-93	10:39:27	F	0	2216
675.249	55.7667	32.186	/	6.33	17-Dec-93	10:40:27	F	0	2221
675.3758	56.187	4.5808	/	6.33	17-Dec-93	10:39:37	F	0	2217
675.6105	31.6573	167.3584	/	6.33	17-Dec-93	10:41:28	F	0	2223
675.6363	38.6774	64.5267	/	6.33	17-Dec-93	10:41:15	F	0	2222
675.6959	57.6915	43.6639	/	6.33	17-Dec-93	10:39:43	F	0	2218
675.8123	54.5113	49.6204	/	6.33	17-Dec-93	10:39:52	F	0	2219

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
676.1469	38.3967	105.2521	/	6.33	17-Dec-93	10:44:11	F	0	2225
676.1971	22.7955	110.0709	/	6.33	17-Dec-93	10:44:20	F	0	2226
676.2611	27.6495	117.7726	/	6.33	17-Dec-93	10:44:35	F	0	2227
676.3468	74.6281	322.6579	/	6.33	17-Dec-93	10:44:42	F	0	2228
676.8349	65.8853	359.718	/	6.33	17-Dec-93	10:44:49	F	0	2229
676.9115	25.6017	132.5905	/	6.33	17-Dec-93	10:44:56	F	0	2230
676.9826	28.6367	105.0048	/	6.33	11-Jan-94	17:28:56	F	0	2631
676.9875	35.6206	114.9989	/	6.33	17-Dec-93	10:45:02	F	0	2231
677.2193	31.1461	147.0982	/	6.33	11-Jan-94	14:41:07	F	0	2611
677.3348	29.7857	129.9263	/	6.33	17-Dec-93	10:45:15	F	0	2233
677.5029	58.6903	61.8397	/	6.33	17-Dec-93	10:45:38	F	0	2235
677.7585	68.1924	102.6829	/	6.33	17-Dec-93	10:45:48	F	0	2236
678.0173	77.6198	281.9125	/	6.33	11-Jan-94	14:41:41	F	0	2612
678.174	30.7982	141.8826	/	6.33	17-Dec-93	10:45:55	F	0	2237
678.3033	23.4224	100.1072	/	6.33	17-Dec-93	10:46:03	F	0	2238
678.4691	44.5525	131.3888	/	6.33	17-Dec-93	10:46:10	F	0	2239
678.5429	22.6335	118.5963	/	6.33	17-Dec-93	10:46:29	F	0	2240
678.6752	17.3919	115.0755	/	6.33	17-Dec-93	10:46:46	F	0	2242
678.7491	18.9175	157.2372	/	6.33	17-Dec-93	10:46:59	F	0	2243
678.8782	29.6474	130.6804	/	6.33	17-Dec-93	10:47:08	F	0	2244
678.9199	62.7564	352.7308	/	6.33	17-Dec-93	10:47:24	F	0	2246
678.937	23.6573	139.2233	/	6.33	17-Dec-93	10:47:16	F	0	2245
679.0552	25.1034	143.8528	/	6.33	17-Dec-93	10:47:34	F	0	2247
679.1605	25.7131	160.4087	/	6.33	17-Dec-93	10:47:42	F	0	2248
679.4319	42.1995	142.2323	/	6.33	17-Dec-93	10:47:54	F	0	2249
679.6366	22.5587	146.6944	/	6.33	17-Dec-93	10:48:30	F	0	2252
679.8426	65.2421	314.2114	/	6.33	17-Dec-93	10:48:09	F	0	2250
679.9287	24.918	131.4003	/	6.33	17-Dec-93	10:48:19	F	0	2251
680.296	25.7113	126.7026	/	6.33	17-Dec-93	10:57:47	F	0	2253
680.495	28.6925	117.474	/	6.33	17-Dec-93	10:57:56	F	0	2254
680.8184	38.9824	23.0134	/	6.33	17-Dec-93	10:58:23	F	0	2257
680.9315	45.6524	139.4271	/	6.33	17-Dec-93	10:58:13	F	0	2256
680.938	54.3411	55.4822	/	6.33	17-Dec-93	10:58:05	F	0	2255
681.2632	37.722	148.9054	/	6.33	17-Dec-93	10:58:32	F	0	2258
681.678	51.3314	26.7659	/	6.33	17-Dec-93	10:58:39	F	0	2259
681.9655	55.9789	44.56	/	6.33	17-Dec-93	10:58:46	F	0	2260
682.2318	48.431	34.2341	/	6.33	17-Dec-93	10:58:56	F	0	2261
682.344	64.5933	62.3543	/	6.33	17-Dec-93	10:59:02	F	0	2262
682.8787	40.7008	152.341	/	6.33	17-Dec-93	10:59:09	F	0	2263
683.2608	39.0112	162.8522	/	6.33	17-Dec-93	10:59:15	F	0	2264
683.5349	25.4512	126.2495	/	6.33	17-Dec-93	10:59:29	F	0	2266
683.7454	33.8762	133.2564	/	6.33	17-Dec-93	10:59:21	F	0	2265
684.4172	61.1242	80.473	/	6.33	17-Dec-93	11:03:11	F	0	2267
684.8578	59.9817	134.6757	/	6.33	17-Dec-93	11:03:21	F	0	2268
685.0135	57.934	3.1737	/	6.33	17-Dec-93	11:03:29	F	0	2269
685.0527	39.5953	1.6002	/	6.33	17-Dec-93	11:03:38	F	0	2270
685.1541	34.6431	265.5892	/	6.33	17-Dec-93	11:03:52	F	0	2272
685.2844	49.2121	38.4835	/	6.33	17-Dec-93	11:03:46	F	0	2271
685.6012	44.9485	178.4316	/	6.33	17-Dec-93	11:04:19	F	0	2274
685.624	77.6194	63.2069	/	6.33	17-Dec-93	11:04:04	F	0	2273
685.9278	54.3734	58.7575	/	6.33	17-Dec-93	11:04:42	F	0	2276

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
686.0294	50.1516	76.6767	/	6.33	17-Dec-93	11:04:48	F	0	2277
686.2363	36.8541	151.7956	/	6.33	17-Dec-93	11:04:55	F	0	2278
686.249	81.7	220.347	/	6.33	17-Dec-93	11:05:10	F	0	2280
686.3433	32.5542	170.3782	/	6.33	17-Dec-93	11:05:02	F	0	2279
686.5613	83.1891	51.5969	/	6.33	17-Dec-93	11:04:35	F	0	2275
686.6671	45.8325	209.1166	/	6.33	17-Dec-93	11:05:16	F	0	2281
686.6797	60.5788	90.2662	/	6.33	17-Dec-93	11:05:26	F	0	2282
686.9876	53.4194	134.6677	/	6.33	17-Dec-93	11:05:34	F	0	2283
687.3698	28.9741	231.4646	/	6.33	17-Dec-93	11:06:35	F	0	2287
687.4153	63.3543	202.5053	/	6.33	17-Dec-93	11:06:12	F	0	2286
687.4271	71.9592	103.1792	/	6.33	17-Dec-93	11:05:57	F	0	2284
687.663	74.2127	135.7474	/	6.33	17-Dec-93	11:06:06	F	0	2285
687.9194	57.3436	22.884	/	6.33	17-Dec-93	11:06:59	F	0	2288
688.2175	59.043	25.9193	/	6.33	17-Dec-93	11:10:03	F	0	2290
688.3243	27.4442	278.2055	/	6.33	17-Dec-93	11:10:28	F	0	2292
688.326	73.0964	151.659	/	6.33	17-Dec-93	11:09:55	F	0	2289
688.4822	56.8172	144.8391	/	6.33	17-Dec-93	11:10:20	F	0	2291
688.6918	63.1725	42.5798	/	6.33	17-Dec-93	11:10:36	F	0	2293
689.1102	71.1692	69.3077	/	6.33	17-Dec-93	11:10:58	F	0	2295
689.1331	58.9187	156.5244	/	6.33	17-Dec-93	11:10:44	F	0	2294
689.5781	60.9902	78.0385	/	6.33	17-Dec-93	11:36:32	F	0	2303
689.787	67.1528	356.6569	/	6.33	17-Dec-93	11:11:13	F	0	2296
689.9511	70.3889	99.6416	/	6.33	17-Dec-93	11:11:31	F	0	2297
690.2222	46.952	51.9503	/	6.33	17-Dec-93	11:11:38	F	0	2298
690.402	48.2233	66.0114	/	6.33	17-Dec-93	11:11:45	F	0	2299
690.49	48.7233	62.7962	/	6.33	17-Dec-93	11:36:23	F	0	2302
690.7465	59.4279	149.8541	/	6.33	17-Dec-93	11:12:08	F	0	2301
691.0247	54.5303	30.477	/	6.33	17-Dec-93	11:11:59	F	0	2300
691.2529	69.3098	331.3045	/	6.33	17-Dec-93	11:36:50	F	0	2304
691.5571	43.6052	189.0679	/	6.33	17-Dec-93	11:36:58	F	0	2305
691.6073	56.893	29.4076	/	6.33	11-Jan-94	14:46:28	F	0	2613
691.8199	44.579	305.1447	/	6.33	17-Dec-93	11:37:06	F	0	2306
691.8698	51.2594	184.8148	/	6.33	17-Dec-93	11:37:16	F	0	2307
692.0771	59.0949	34.52	/	6.33	17-Dec-93	11:39:34	F	0	2308
692.1708	56.9641	171.9715	/	6.33	17-Dec-93	11:40:18	F	0	2313
692.2995	61.3049	172.3494	/	6.33	17-Dec-93	11:40:12	F	0	2312
692.3499	62.9467	188.4685	/	6.33	17-Dec-93	11:40:25	F	0	2314
692.4491	62.9128	68.2048	/	6.33	17-Dec-93	11:39:41	F	0	2309
692.5535	32.6875	210.0708	/	6.33	17-Dec-93	11:40:33	F	0	2315
692.8758	55.289	346.0836	/	6.33	17-Dec-93	11:39:52	F	0	2310
692.9218	75.921	50.0828	/	6.33	17-Dec-93	11:40:51	F	0	2317
693.2876	73.327	33.8367	/	6.33	17-Dec-93	11:40:44	F	0	2316
693.4342	76.5166	159.3529	/	6.33	17-Dec-93	11:40:03	F	0	2311
693.561	60.0856	337.3384	/	6.33	17-Dec-93	11:40:59	F	0	2318
694.0337	44.8745	198.1064	/	6.33	17-Dec-93	11:41:06	F	0	2319
694.4819	61.4378	4.2586	/	6.33	17-Dec-93	11:41:18	F	0	2320
694.5904	73.6561	166.2677	/	6.33	11-Jan-94	14:54:39	F	0	2614
694.6594	32.8616	188.7261	/	6.33	17-Dec-93	11:41:26	F	0	2321
695.0833	64.8489	32.4841	/	6.33	17-Dec-93	11:41:33	F	0	2322
695.1049	35.6586	161.5864	/	6.33	17-Dec-93	11:41:39	F	0	2323
695.3437	40.6055	169.2046	/	6.33	17-Dec-93	11:41:49	F	0	2324

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
696.032	55.2495	111.3252	/	6.33	17-Dec-93	11:44:17	F	0	2325
696.4245	50.1928	158.6844	/	6.33	17-Dec-93	11:44:25	F	0	2326
696.5759	47.1192	110.9536	/	6.33	17-Dec-93	11:44:32	F	0	2327
696.7548	44.4416	130.3849	/	6.33	17-Dec-93	11:44:40	F	0	2328
697.1271	63.409	220.3513	/	6.33	17-Dec-93	11:44:56	F	0	2329
697.2683	69.223	117.3379	/	6.33	17-Dec-93	11:45:06	F	0	2330
697.3656	30.9024	179.9647	/	6.33	17-Dec-93	11:45:13	F	0	2331
697.7083	37.3982	185.4215	/	6.33	11-Jan-94	15:39:13	F	0	2615
697.8882	45.0978	173.7471	/	6.33	17-Dec-93	11:45:38	F	0	2333
698.0997	54.6401	355.4093	/	6.33	17-Dec-93	11:45:45	F	0	2334
698.1533	45.6006	187.1405	/	6.33	17-Dec-93	11:45:52	F	0	2335
698.4216	41.1859	220.9596	/	6.33	17-Dec-93	11:45:59	F	0	2336
698.561	51.8121	201.4935	/	6.33	17-Dec-93	11:46:15	F	0	2338
698.8427	15.7094	105.2603	/	6.33	17-Dec-93	11:46:21	F	0	2339
698.8687	73.9569	17.2853	/	6.33	17-Dec-93	11:46:07	F	0	2337
699.2473	28.6747	191.6492	/	6.33	17-Dec-93	11:46:27	F	0	2340
699.3685	14.939	227.1055	/	6.33	17-Dec-93	11:46:45	F	0	2342
699.538	65.1145	109.798	/	6.33	17-Dec-93	11:47:14	F	0	2345
699.5746	36.3736	254.1017	/	6.33	17-Dec-93	11:47:03	F	0	2344
699.6849	62.2446	110.8044	/	6.33	17-Dec-93	11:46:37	F	0	2341
699.951	73.6906	106.1173	/	6.33	17-Dec-93	11:46:56	F	0	2343
700.0052	76.2053	106.1635	/	6.33	17-Dec-93	11:51:55	F	0	2346
700.4019	52.3891	347.2274	/	6.33	17-Dec-93	11:52:03	F	0	2347
700.5151	18.7843	178.5295	/	6.33	17-Dec-93	11:52:38	F	0	2350
700.5615	67.6033	10.5259	/	6.33	17-Dec-93	11:52:13	F	0	2348
700.7336	53.1241	184.664	/	6.33	11-Jan-94	15:48:49	F	0	2616
700.9078	47.9501	199.323	/	6.33	17-Dec-93	11:52:57	F	0	2351
701.1623	38.2324	193.1839	/	6.33	11-Jan-94	15:49:26	F	0	2617
701.306	55.6669	285.3564	/	6.33	17-Dec-93	11:53:15	F	0	2352
702.1788	31.1511	290.7357	/	6.33	11-Jan-94	15:49:57	F	0	2618
702.8459	69.8706	6.4929	/	6.33	17-Dec-93	11:54:11	F	0	2355
702.898	45.8641	167.1691	/	6.33	17-Dec-93	11:53:42	F	0	2353
703.2789	72.6716	356.8467	/	6.33	17-Dec-93	11:54:02	F	0	2354
703.6457	66.5478	317.5633	/	6.33	17-Dec-93	11:54:24	F	0	2356
704.2943	67.9179	358.1714	/	6.33	11-Jan-94	15:54:35	F	0	2619
704.309	60.2523	346.7696	/	6.33	17-Dec-93	13:07:30	F	0	2357
704.7607	56.5373	172.3063	/	6.33	17-Dec-93	13:07:56	F	0	2358
704.8072	42.3052	352.5394	/	6.33	17-Dec-93	13:08:17	F	0	2359
705.0166	65.3876	13.0721	/	6.33	17-Dec-93	13:08:37	F	0	2361
705.0328	53.2207	203.5925	/	6.33	17-Dec-93	13:08:28	F	0	2360
705.3115	64.2369	13.2168	/	6.33	17-Dec-93	13:08:45	F	0	2362
705.5646	70.2798	135.1001	/	6.33	17-Dec-93	13:08:54	F	0	2363
705.6973	25.2215	222.1026	/	6.33	17-Dec-93	13:09:04	F	0	2364
706.1034	64.4668	149.0314	/	6.33	17-Dec-93	13:09:13	F	0	2365
706.2292	45.0757	223.2475	/	6.33	11-Jan-94	15:59:00	F	0	2620
706.5305	67.795	30.6723	/	6.33	17-Dec-93	13:09:27	F	0	2366
706.8339	69.942	147.8629	/	6.33	17-Dec-93	13:09:36	F	0	2367
706.9504	20.2625	191.5479	/	6.33	17-Dec-93	13:09:43	F	0	2368
707.1561	45.8968	90.7099	/	6.33	17-Dec-93	13:09:49	F	0	2369
707.2313	67.0877	207.9203	/	6.314	17-Dec-93	13:09:55	F	0	2370
707.3841	51.7514	63.2773	/	6.33	17-Dec-93	13:10:01	F	0	2371

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
707.6295	71.2598	108.3224	/	6.3103	17-Dec-93	13:10:11	F	0	2372
707.8172	70.1632	116.1898	/	6.33	11-Jan-94	15:59:29	B	0	2621
708.1691	48.8624	195.9591	/	6.3146	17-Dec-93	13:12:48	F	0	2374
708.2935	78.084	93.8705	/	6.3066	17-Dec-93	13:12:59	F	0	2375
708.5192	75.4998	96.1162	/	6.3	17-Dec-93	13:13:12	F	0	2376
708.6863	63.9537	105.0803	/	6.33	17-Dec-93	13:13:20	F	0	2377
708.8997	64.4911	108.1514	/	6.33	17-Dec-93	13:13:30	F	0	2378
709.0843	74.1753	12.8806	/	6.33	11-Jan-94	16:00:18	F	0	2622
709.149	60.7921	104.2547	/	6.33	17-Dec-93	13:13:36	F	0	2379
709.4598	50.9713	96.4089	/	6.33	17-Dec-93	13:13:44	F	0	2380
709.6226	40.9347	117.3778	/	6.33	17-Dec-93	13:13:51	F	0	2381
709.6939	39.7313	101.8401	/	6.33	17-Dec-93	13:13:57	F	0	2382
709.8227	52.0277	105.3642	/	6.33	17-Dec-93	13:14:06	F	0	2383
710.0392	37.4763	118.2112	/	6.33	17-Dec-93	13:14:14	F	0	2384
710.1619	22.7352	147.2112	/	6.33	17-Dec-93	13:14:23	F	0	2385
710.2128	29.0059	144.3694	/	6.33	17-Dec-93	13:14:32	F	0	2386
710.3969	41.9079	129.3502	/	6.33	17-Dec-93	13:14:40	F	0	2387
710.4896	65.1582	326.3145	/	6.33	17-Dec-93	13:14:51	F	0	2388
710.5565	67.8857	97.8438	/	6.33	17-Dec-93	13:15:08	F	0	2389
710.9115	35.3315	290.4637	/	6.33	17-Dec-93	13:16:24	F	0	2395
710.9368	28.3502	108.7988	/	6.33	17-Dec-93	13:15:34	F	0	2391
711.1014	54.2676	19.2709	/	6.33	17-Dec-93	13:15:24	F	0	2390
711.1617	52.2274	93.1604	/	6.33	17-Dec-93	13:16:02	F	0	2393
711.5585	52.825	183.0117	/	6.3	17-Dec-93	13:15:54	F	0	2392
711.7018	80.8546	17.8581	/	6.3	17-Dec-93	13:16:15	F	0	2394
712.0269	42.9455	99.2321	/	6.3	11-Jan-94	16:03:53	F	0	2623
712.2264	62.5849	20.3269	/	6.3	17-Dec-93	13:19:52	F	0	2397
712.3866	75.7806	23.9529	/	6.3	17-Dec-93	13:19:46	F	0	2396
712.5965	72.5877	156.0717	/	6.3	17-Dec-93	13:20:01	F	0	2398
712.6385	54.1343	339.2506	/	6.3	17-Dec-93	13:20:15	F	0	2399
712.8179	60.8025	23.6775	/	6.3	11-Jan-94	16:04:13	F	0	2624
712.8781	16.8938	168.3906	/	6.3	17-Dec-93	13:20:26	F	0	2400
713.0322	50.2232	23.8195	/	6.3	17-Dec-93	13:20:45	F	0	2402
713.2999	68.4885	34.6448	/	6.3	17-Dec-93	13:20:37	F	0	2401
713.7142	66.1926	31.846	/	6.31	17-Dec-93	13:21:02	F	0	2403
713.7822	16.966	142.1616	/	6.3141	17-Dec-93	13:21:09	F	0	2404
714.2176	66.273	170.5283	/	6.3	17-Dec-93	13:21:31	F	0	2407
714.2502	51.8054	330.5304	/	6.3	17-Dec-93	13:21:17	F	0	2405
714.4545	51.9582	324.4572	/	6.3	17-Dec-93	13:21:23	F	0	2406
714.5864	63.607	314.1125	/	6.3	17-Dec-93	13:21:49	F	0	2408
714.8308	61.8791	101.9187	/	6.3	17-Dec-93	13:21:58	F	0	2409
715.0345	68.3059	114.1178	/	6.3	17-Dec-93	13:22:09	F	0	2410
715.1142	53.4795	129.2145	/	6.3036	17-Dec-93	13:22:28	F	0	2411
715.3887	55.379	343.3849	/	6.3	17-Dec-93	13:22:36	F	0	2412
715.4167	36.0003	143.8554	/	6.3	17-Dec-93	13:22:48	F	0	2413
715.6698	51.3933	137.5808	/	6.3	17-Dec-93	13:22:55	F	0	2414
715.7397	78.655	337.6208	/	6.31	17-Dec-93	13:23:05	F	0	2415
715.8815	64.764	156.577	/	6.3146	17-Dec-93	13:23:13	F	0	2416
716.113	71.1314	53.3853	/	6.33	17-Dec-93	13:25:40	F	0	2417
716.2742	77.2053	250.5095	/	6.33	11-Jan-94	16:10:55	F	0	2625
716.4735	35.673	203.671	/	6.33	17-Dec-93	13:25:52	F	0	2418

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
716.8836	66.9604	145.9307	/	6.33	17-Dec-93	13:26:10	F	0	2419
717.1039	52.4435	357.3157	/	6.33	11-Jan-94	16:11:13	F	0	2626
717.3751	48.3779	328.8905	/	6.33	17-Dec-93	13:29:16	F	0	2436
717.6904	56.1799	111.2686	/	6.33	17-Dec-93	13:26:27	F	0	2420
717.792	56.0698	109.6164	/	6.33	17-Dec-93	13:26:34	F	0	2421
717.9006	43.1452	98.1068	/	6.33	17-Dec-93	13:26:41	F	0	2422
717.989	53.8551	113.242	/	6.33	17-Dec-93	13:26:50	F	0	2423
718.0439	45.2076	97.1903	/	6.33	17-Dec-93	13:26:59	F	0	2424
718.2347	36.3063	75.6886	/	6.33	17-Dec-93	13:27:06	F	0	2425
718.2514	77.0554	24.4327	/	6.33	17-Dec-93	13:28:52	F	0	2435
718.3862	49.4926	88.4407	/	6.33	17-Dec-93	13:27:13	F	0	2426
718.5791	50.1053	96.5304	/	6.33	17-Dec-93	13:27:20	F	0	2427
718.7368	48.5622	102.7113	/	6.33	17-Dec-93	13:29:25	F	0	2437
719.0658	79.4522	34.3356	/	6.3	17-Dec-93	13:27:30	F	0	2428
719.3795	34.3418	198.6011	/	6.3	17-Dec-93	13:28:03	F	0	2431
719.4995	71.6936	13.9915	/	6.3	17-Dec-93	13:27:48	F	0	2429
719.5647	36.8911	128.6182	/	6.3	17-Dec-93	13:27:54	F	0	2430
719.7382	69.5782	16.944	/	6.3	17-Dec-93	13:28:12	F	0	2432
719.8506	15.0776	198.7926	/	6.3	17-Dec-93	13:28:20	F	0	2433
719.8944	59.8336	112.7251	/	6.3	17-Dec-93	13:28:28	F	0	2434
720.1819	60.7167	93.1776	/	6.3	17-Dec-93	13:38:30	F	0	2438
720.3994	35.4445	154.1651	/	6.3	17-Dec-93	13:38:52	F	0	2440
720.4078	48.5415	67.3508	/	6.3	17-Dec-93	13:38:45	F	0	2439
720.7231	57.6726	38.0248	/	6.3258	17-Dec-93	13:39:08	F	0	2441
720.7266	51.7355	198.261	/	6.3266	17-Dec-93	13:39:33	F	0	2443
720.8141	45.0951	50.4035	/	6.33	17-Dec-93	13:39:27	F	0	2442
720.861	52.4256	162.5759	/	6.33	17-Dec-93	13:39:41	F	0	2444
721.127	41.3415	212.2169	/	6.323	17-Dec-93	13:39:49	F	0	2445
721.2043	75.815	74.5013	/	6.28	11-Jan-94	16:16:21	B	0	2627
721.3657	38.2144	272.5831	/	6.2957	17-Dec-93	13:40:18	F	0	2446
721.4515	17.0281	191.9034	/	6.33	17-Dec-93	13:40:25	F	0	2447
721.4982	58.9705	225.8272	/	6.33	17-Dec-93	13:40:52	F	0	2449
721.5531	74.4011	124.8856	/	6.33	17-Dec-93	13:40:35	F	0	2448
721.9733	61.4585	199.6264	/	6.3188	17-Dec-93	13:41:01	F	0	2450
722.151	53.3428	185.1591	/	6.28	17-Dec-93	13:41:22	F	0	2451
722.2081	57.7563	331.8548	/	6.28	17-Dec-93	13:41:35	F	0	2453
722.339	67.652	91.3257	/	6.28	17-Dec-93	13:41:30	F	0	2452
722.6404	71.8284	336.5148	/	6.28	17-Dec-93	13:41:55	F	0	2454
722.9918	16.3028	192.1109	/	6.28	17-Dec-93	13:42:04	F	0	2455
723.2421	72.562	172.8087	/	6.28	17-Dec-93	13:42:14	F	0	2456
723.6312	61.1672	22.4482	/	6.28	17-Dec-93	13:42:24	F	0	2457
724.219	74.8044	137.2323	/	6.28	17-Dec-93	13:44:53	F	0	2458
724.2683	61.0092	86.0638	/	6.28	17-Dec-93	13:45:00	F	0	2459
724.3865	28.9777	122.0368	/	6.33	17-Dec-93	13:45:11	F	0	2460
724.5916	46.6511	76.3857	/	6.33	17-Dec-93	13:45:21	F	0	2461
724.6911	47.9978	55.1518	/	6.33	17-Dec-93	13:45:29	F	0	2462
724.7379	35.5936	246.3791	/	6.33	17-Dec-93	13:45:36	F	0	2463
724.9102	52.1281	23.4236	/	6.33	17-Dec-93	13:46:01	F	0	2465
725.004	62.4373	167.0715	/	6.33	17-Dec-93	13:45:48	F	0	2464
725.1666	33.9442	111.4748	/	6.33	17-Dec-93	13:46:17	F	0	2466
725.4279	80.5925	216.1064	/	6.33	17-Dec-93	13:46:39	F	0	2467

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
725.4376	54.2049	150.4076	/	6.33	17-Dec-93	13:50:04	F	0	2485
725.5281	17.6402	140.3614	/	6.33	17-Dec-93	13:49:58	F	0	2484
725.6847	66.6112	323.5529	/	6.33	17-Dec-93	13:46:47	F	0	2468
726.029	48.2257	69.1727	/	6.33	17-Dec-93	13:47:01	F	0	2469
726.1401	47.9043	59.3205	/	6.33	17-Dec-93	13:47:08	F	0	2470
726.2034	52.1201	60.6681	/	6.33	17-Dec-93	13:47:15	F	0	2471
726.2211	70.6574	117.2428	/	6.33	17-Dec-93	13:47:29	F	0	2473
726.3409	50.0799	61.5689	/	6.33	17-Dec-93	13:47:22	F	0	2472
726.5941	55.3745	73.0751	/	6.33	17-Dec-93	13:47:46	F	0	2475
726.6418	55.6915	346.1489	/	6.33	17-Dec-93	13:47:41	F	0	2474
726.7425	53.8553	253.1198	/	6.33	17-Dec-93	13:50:10	F	0	2486
726.8512	61.0466	235.2228	/	6.33	17-Dec-93	13:47:55	F	0	2476
727.029	63.4757	185.795	/	6.33	17-Dec-93	13:48:14	F	0	2477
727.1255	74.325	156.1608	/	6.33	17-Dec-93	13:48:36	F	0	2478
727.2885	57.7872	347.0066	/	6.33	17-Dec-93	13:48:52	F	0	2480
727.5703	63.8813	26.0456	/	6.33	17-Dec-93	13:48:44	F	0	2479
727.5939	52.5477	149.8083	/	6.33	17-Dec-93	13:49:00	F	0	2481
727.6075	52.7885	229.8557	/	6.33	17-Dec-93	13:50:17	F	0	2487
727.8125	46.7778	183.637	/	6.33	17-Dec-93	13:49:08	F	0	2482
727.9359	43.2861	175.2875	/	6.33	17-Dec-93	13:49:16	F	0	2483
727.9764	60.431	123.4649	/	6.33	17-Dec-93	13:53:05	F	0	2488
728.1857	69.8638	120.4258	/	6.33	17-Dec-93	13:53:11	F	0	2489
728.249	57.6625	167.7819	/	6.33	17-Dec-93	13:53:30	F	0	2491
728.2783	64.9126	351.6929	/	6.33	17-Dec-93	13:53:18	F	0	2490
728.3699	56.124	181.6519	/	6.33	17-Dec-93	13:53:49	F	0	2492
728.506	39.1397	49.4819	/	6.33	17-Dec-93	13:54:01	F	0	2493
728.686	57.4241	99.8337	/	6.33	17-Dec-93	13:54:09	F	0	2494
728.7086	62.1849	331.2532	/	6.33	17-Dec-93	13:54:18	F	0	2495
728.9273	74.2346	322.3768	/	6.33	17-Dec-93	13:54:31	F	0	2496
729.299	76.3381	199.0433	/	6.33	17-Dec-93	13:54:46	F	0	2498
729.4336	48.6846	70.4286	/	6.33	17-Dec-93	13:54:39	F	0	2497
729.6227	36.8109	6.8293	/	6.33	17-Dec-93	13:55:02	F	0	2500
729.6536	50.8971	175.907	/	6.33	17-Dec-93	13:54:55	F	0	2499
729.7787	38.0821	21.1606	/	6.33	17-Dec-93	13:55:13	F	0	2501
729.831	49.0344	75.5282	/	6.33	17-Dec-93	13:55:23	F	0	2502
729.9409	39.8228	80.9987	/	6.33	17-Dec-93	13:55:31	F	0	2503
730.068	53.3258	75.9072	/	6.33	17-Dec-93	13:55:45	F	0	2504
730.306	55.48	166.2148	/	6.33	17-Dec-93	13:56:06	F	0	2505
730.4409	57.3619	39.992	/	6.33	17-Dec-93	13:56:14	F	0	2506
730.6207	56.9142	63.277	/	6.33	17-Dec-93	13:56:22	F	0	2507
730.7535	47.5982	86.1523	/	6.33	17-Dec-93	13:56:29	F	0	2508
730.9304	46.1486	145.5058	/	6.33	17-Dec-93	13:56:42	F	0	2509
731.0706	40.1425	189.4931	/	6.33	17-Dec-93	13:56:58	F	0	2511
731.1118	67.5515	314.6501	/	6.33	17-Dec-93	13:56:51	F	0	2510
731.1862	40.5666	98.1496	/	6.33	17-Dec-93	13:57:13	F	0	2512
731.4943	58.7417	71.6878	/	6.33	17-Dec-93	13:57:22	F	0	2513
732.0605	29.889	71.524	/	6.33	17-Dec-93	14:00:04	F	0	2514
732.3086	67.2249	42.7517	/	6.33	17-Dec-93	14:00:12	F	0	2515
732.5242	80.2455	45.1967	/	6.33	17-Dec-93	14:00:26	F	0	2516
733.1905	72.7636	305.6298	/	6.33	17-Dec-93	14:00:46	F	0	2518
733.2207	74.3438	223.422	/	6.33	17-Dec-93	14:00:37	F	0	2517

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
733.4364	48.3712	59.2797	/	6.33	17-Dec-93	14:00:58	F	0	2519
733.6556	63.9345	318.4908	/	6.33	17-Dec-93	14:02:06	F	0	2525
733.8799	55.7128	169.099	/	6.33	17-Dec-93	14:01:05	F	0	2520
734.1356	65.6007	18.6465	/	6.33	17-Dec-93	14:01:15	F	0	2521
734.4222	67.2845	342.7225	/	6.33	17-Dec-93	14:01:53	F	0	2524
734.8984	70.9706	27.7779	/	6.28	11-Jan-94	16:40:12	F	0	2628
734.9252	66.7885	8.7105	/	6.33	17-Dec-93	14:01:27	F	0	2522
735.6304	76.1146	77.4654	/	6.33	17-Dec-93	14:01:41	F	0	2523
736.3559	58.4135	4.4472	/	6.33	17-Dec-93	14:04:51	F	0	2526
736.4684	59.9929	261.3002	/	6.33	17-Dec-93	14:04:57	F	0	2527
736.6285	67.1668	356.0164	/	6.28	11-Jan-94	16:43:42	F	0	2629
737.3428	58.8278	41.9929	/	6.33	17-Dec-93	14:05:06	F	0	2528
737.5952	66.2019	184.9205	/	6.33	17-Dec-93	14:05:13	F	0	2529
737.7577	75.6026	141.6409	/	6.33	17-Dec-93	14:05:37	F	0	2530
737.928	55.4124	140.5379	/	6.33	17-Dec-93	14:05:45	F	0	2531
738.2283	71.5686	145.6017	/	6.33	17-Dec-93	14:05:56	F	0	2532
738.3422	68.1941	141.8454	/	6.33	17-Dec-93	14:06:05	F	0	2533
738.5976	70.8447	143.0921	/	6.33	17-Dec-93	14:06:14	F	0	2534
738.8624	74.0403	128.1652	/	6.33	17-Dec-93	14:06:22	F	0	2535
739.0059	60.2783	41.7151	/	6.33	17-Dec-93	14:06:30	F	0	2536
741.2094	69.1374	165.9859	/	6.33	17-Dec-93	14:10:30	F	0	2540
741.4332	64.0053	20.7031	/	6.33	17-Dec-93	14:10:04	F	0	2537
741.6131	69.153	168.375	/	6.33	17-Dec-93	14:10:18	F	0	2539
741.7567	59.0462	20.9661	/	6.33	17-Dec-93	14:10:12	F	0	2538
742.2096	69.7772	168.1086	/	6.33	17-Dec-93	14:10:49	F	0	2541
742.5475	63.804	128.1147	/	6.33	17-Dec-93	14:11:06	F	0	2542
743.9241	72.1457	150.0173	/	6.33	17-Dec-93	14:11:16	F	0	2543
744.5307	64.8191	23.8072	/	6.33	17-Dec-93	14:13:57	F	0	2544
745.2484	73.8406	160.3081	/	6.33	17-Dec-93	14:14:15	F	0	2546
745.7042	63.4893	24.6072	/	6.33	17-Dec-93	14:14:05	F	0	2545
748.1194	60.9931	26.3625	/	6.33	17-Dec-93	14:16:16	F	0	2547
748.2649	43.7949	149.9741	/	6.33	17-Dec-93	14:16:27	F	0	2548
748.3619	59.0068	12.5902	/	6.33	17-Dec-93	14:16:35	F	0	2549
748.9989	69.1349	182.5164	/	6.33	17-Dec-93	14:16:43	F	0	2550
750.0651	71.4429	63.2873	/	6.33	17-Dec-93	14:16:53	F	0	2551
750.1226	11.066	350.2671	/	6.33	12-Jan-94	15:55:14	F	0	2632
750.9533	60.6323	30.1503	/	6.33	12-Jan-94	15:55:24	F	0	2633
751.2128	66.6051	162.9274	/	6.33	12-Jan-94	15:55:34	F	0	2634
752.3568	51.3129	82.5985	/	6.2808	12-Jan-94	15:55:43	F	0	2635
753.113	59.2962	26.3109	/	6.28	12-Jan-94	16:00:08	F	0	2636
753.5725	69.2153	164.8798	/	6.28	12-Jan-94	16:00:19	F	0	2637
754.3762	71.3249	172.7023	/	6.28	12-Jan-94	16:00:43	F	0	2638
755.0407	42.4057	292.5154	/	6.4	12-Jan-94	16:00:53	F	0	2639
755.139	60.1333	151.9645	/	6.4	12-Jan-94	16:01:05	F	0	2640
755.2356	55.8239	135.1944	/	6.4	12-Jan-94	16:01:23	F	0	2641
755.514	39.8848	127.6817	/	6.4	12-Jan-94	16:01:50	F	0	2642
756.245	78.8164	246.4283	/	6.4	12-Jan-94	16:08:28	F	0	2646
756.5442	55.806	38.4268	/	6.4	12-Jan-94	16:08:05	F	0	2643
756.7417	61.1767	126.1113	/	6.4	12-Jan-94	16:08:20	F	0	2645
757.1415	52.8841	42.1999	/	6.4	12-Jan-94	16:08:13	F	0	2644
757.2798	26.4616	145.3604	/	6.4	12-Jan-94	16:08:36	F	0	2647

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
757.5539	62.0482	13.528	/	6.3935	12-Jan-94	16:08:58	F	0	2649
757.7882	54.1859	26.0446	/	6.4	12-Jan-94	16:08:46	F	0	2648
758.0246	61.3188	22.4296	/	6.4	12-Jan-94	16:09:12	F	0	2650
758.6664	58.5974	28.777	/	6.4	12-Jan-94	16:09:21	F	0	2651
759.0893	63.8594	46.1208	/	6.4	12-Jan-94	16:09:52	F	0	2654
759.2308	65.3019	28.8016	/	6.4	12-Jan-94	16:10:00	F	0	2655
759.2434	54.8269	263.8177	/	6.4	12-Jan-94	16:09:32	F	0	2652
759.3505	73.5333	143.5946	/	6.4	12-Jan-94	16:10:10	F	0	2656
759.3666	61.5099	258.6571	/	6.4	12-Jan-94	16:09:41	F	0	2653
759.7332	32.7777	80.836	/	6.43	12-Jan-94	16:10:21	F	0	2657
759.9501	46.9415	110.2785	/	6.4025	12-Jan-94	16:10:32	F	0	2658
760.3052	38.5355	205.732	/	6.35	12-Jan-94	16:44:31	F	0	2659
760.3633	47.9134	46.0745	/	6.35	12-Jan-94	16:44:41	F	0	2660
760.4847	55.7495	232.2364	/	6.35	12-Jan-94	16:44:48	F	0	2661
760.7418	58.3269	233.8737	/	6.35	12-Jan-94	16:44:58	F	0	2662
760.842	70.585	37.6091	/	6.35	12-Jan-94	16:45:07	F	0	2663
761.1527	45.0536	256.2787	/	6.35	12-Jan-94	16:45:20	F	0	2664
761.2733	54.6702	260.2066	/	6.35	12-Jan-94	16:45:29	F	0	2665
761.3575	42.2713	260.6451	/	6.35	12-Jan-94	16:45:38	F	0	2666
761.5341	49.4231	132.3061	/	6.35	12-Jan-94	16:46:12	F	0	2669
761.5859	70.6439	242.6229	/	6.35	12-Jan-94	16:45:49	F	0	2667
761.659	54.6292	130.0419	/	6.35	12-Jan-94	16:46:03	F	0	2668
761.7773	64.4295	134.9552	/	6.35	12-Jan-94	16:46:27	F	0	2670
761.921	32.0522	39.7019	/	6.3402	12-Jan-94	16:46:39	F	0	2671
761.9835	30.2828	32.9814	/	6.35	12-Jan-94	16:46:48	F	0	2672
763.1208	57.129	125.1703	/	6.35	12-Jan-94	16:49:03	F	0	2674
763.2736	48.4312	14.9022	/	6.35	12-Jan-94	16:48:56	F	0	2673
763.5757	48.1479	28.037	/	6.35	12-Jan-94	16:49:12	F	0	2675
764.3575	71.5985	18.4676	/	6.35	12-Jan-94	16:54:05	F	0	2676
764.7119	40.5295	282.2131	/	6.35	12-Jan-94	16:54:15	F	0	2677
764.7892	43.1565	193.1607	/	6.34	12-Jan-94	16:54:23	F	0	2678
764.9783	54.4712	204.2073	/	6.36	12-Jan-94	16:54:29	F	0	2679
765.0319	22.7966	292.8359	/	6.3709	12-Jan-94	16:54:49	F	0	2680
765.1479	61.2419	201.8468	/	6.3411	12-Jan-94	16:54:57	F	0	2681
765.6281	60.0955	259.8114	/	6.35	12-Jan-94	16:55:42	F	0	2683
765.6873	50.694	35.2189	/	6.3568	12-Jan-94	16:55:22	F	0	2682
765.9034	49.5864	206.3637	/	6.4	12-Jan-94	16:55:51	F	0	2684
766.127	46.4574	199.095	/	6.3543	12-Jan-94	16:56:07	F	0	2685
766.2473	27.5192	177.1081	/	6.3743	12-Jan-94	16:56:16	F	0	2686
766.2788	36.1146	50.8394	/	6.38	12-Jan-94	16:56:32	F	0	2687
766.3849	46.8034	19.8101	/	6.35	12-Jan-94	16:56:51	F	0	2688
766.4796	43.2088	242.5965	/	6.35	12-Jan-94	16:56:58	F	0	2689
766.7278	56.9117	161.8087	/	6.38	12-Jan-94	16:57:07	F	0	2690
766.7422	70.3974	69.5594	/	6.38	12-Jan-94	16:57:24	F	0	2691
766.9804	49.8727	272.1966	/	6.3952	12-Jan-94	16:57:40	F	0	2692
767.3849	47.1521	23.1024	/	6.38	12-Jan-94	16:57:51	F	0	2693
767.6397	51.0539	146.0804	/	6.4	12-Jan-94	16:57:59	F	0	2694
768.147	65.9189	124.1668	/	6.35	12-Jan-94	17:42:43	F	0	2695
768.3248	53.4841	286.2621	/	6.4	12-Jan-94	17:42:54	F	0	2696
768.3892	39.6755	39.8574	/	6.4	12-Jan-94	17:43:05	F	0	2697
768.4612	39.1986	60.7292	/	6.4	12-Jan-94	17:43:13	F	0	2698

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
768.6509	72.7951	287.6174	/	6.35	12-Jan-94	17:43:22	F	0	2699
768.792	62.0702	268.5901	/	6.35	12-Jan-94	17:43:36	F	0	2700
768.9354	45.6317	95.7856	/	6.35	12-Jan-94	17:43:47	F	0	2701
769.134	46.9222	30.5469	/	6.3605	12-Jan-94	17:43:56	F	0	2702
770.0905	68.2684	158.8022	/	6.4	12-Jan-94	17:44:09	F	0	2703
770.8226	64.0072	133.4172	/	6.4	12-Jan-94	17:44:55	F	0	2707
771.6786	58.3589	26.3125	/	6.4	12-Jan-94	17:44:23	F	0	2704
771.826	68.391	147.3613	/	6.4	12-Jan-94	17:44:39	F	0	2706
771.8829	29.9534	259.0465	/	6.4	12-Jan-94	17:44:31	F	0	2705
772.1259	28.1199	263.0675	/	6.4	12-Jan-94	17:49:41	F	0	2709
772.2406	47.3433	252.8341	/	6.4	12-Jan-94	17:49:51	F	0	2710
772.3641	44.243	240.6738	/	6.4	12-Jan-94	17:49:59	F	0	2711
772.5352	55.9983	114.8648	/	6.4	12-Jan-94	17:49:31	F	0	2708
773.0153	40.5101	38.4398	/	6.35	12-Jan-94	17:50:13	F	0	2712
773.1488	38.8867	53.613	/	6.35	12-Jan-94	17:50:21	F	0	2713
773.5629	62.7181	81.3987	/	6.4	12-Jan-94	17:50:30	F	0	2714
773.847	71.7993	87.7577	/	6.4	12-Jan-94	17:50:48	F	0	2715
774.127	75.4304	7.9696	/	6.4	12-Jan-94	17:50:57	F	0	2716
774.6019	64.6651	132.7403	/	6.4	12-Jan-94	17:51:28	F	0	2717
775.1286	58.2816	66.3105	/	6.4	12-Jan-94	17:51:44	F	0	2718
775.3592	56.7469	64.8377	/	6.4	12-Jan-94	17:51:57	F	0	2719
776.058	67.9356	171.318	/	6.4	12-Jan-94	17:56:40	F	0	2720
776.2396	39.3309	171.5121	/	6.4	12-Jan-94	17:56:48	F	0	2721
776.3812	40.3676	169.5296	/	6.4	12-Jan-94	17:57:24	F	0	2723
776.4232	53.7735	195.9883	/	6.4	12-Jan-94	17:57:13	F	0	2722
776.6257	37.3512	26.983	/	6.3543	12-Jan-94	17:57:40	F	0	2724
776.6835	43.6573	208.0428	/	6.35	12-Jan-94	17:57:48	F	0	2725
776.8072	21.3603	13.2168	/	6.35	12-Jan-94	17:57:58	F	0	2726
776.8633	45.2887	172.1138	/	6.3508	12-Jan-94	17:58:27	F	0	2729
776.9836	74.7097	285.1666	/	6.4	12-Jan-94	18:01:28	F	0	2743
777.1191	41.8293	139.1246	/	6.3973	12-Jan-94	17:58:18	F	0	2728
777.2302	52.0127	190.5643	/	6.4	12-Jan-94	17:58:37	F	0	2730
777.232	72.9076	270.0238	/	6.4	12-Jan-94	17:58:12	F	0	2727
777.7287	55.8496	66.6404	/	6.4	12-Jan-94	17:58:53	F	0	2731
778.2413	69.3237	5.6973	/	6.38	12-Jan-94	17:59:10	F	0	2732
778.2509	40.723	151.445	/	6.38	12-Jan-94	17:59:17	F	0	2733
778.5626	62.5063	121.9153	/	6.4	12-Jan-94	17:59:26	F	0	2734
778.6454	54.8196	137.8503	/	6.4	12-Jan-94	17:59:34	F	0	2735
778.8251	52.244	158.0354	/	6.4	12-Jan-94	17:59:49	F	0	2737
779.0171	68.8654	13.227	/	6.4	12-Jan-94	17:59:41	F	0	2736
779.0345	51.3668	123.3075	/	6.4	12-Jan-94	18:00:00	F	0	2738
779.2852	64.1652	154.8571	/	6.4	12-Jan-94	18:00:10	F	0	2739
779.6232	70.5636	122.3113	/	6.4	12-Jan-94	18:00:31	F	0	2740
779.777	59.7343	127.1526	/	6.4	12-Jan-94	18:00:40	F	0	2741
779.8788	39.1435	133.1171	/	6.4	12-Jan-94	18:00:57	F	0	2742
780.0182	49.5706	127.4448	/	6.4	12-Jan-94	18:09:18	F	0	2745
780.246	63.2028	21.1582	/	6.4	12-Jan-94	18:09:09	F	0	2744
780.4104	41.9468	114.0085	/	6.4	12-Jan-94	18:09:32	F	0	2747
780.4726	42.1098	121.0116	/	6.4	12-Jan-94	18:09:26	F	0	2746
780.7941	46.5139	127.0529	/	6.4	12-Jan-94	18:09:51	F	0	2749
781.0231	61.6747	20.2941	/	6.4	12-Jan-94	18:09:45	F	0	2748

Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



Depth (mbRT)	Dip (Degrees)	Dip Azimuth (Degrees)	Type of Picked Discontinuity	Caliper (ins)	Date Picked	Time Picked	FMS/FMI (F) or BHTV/UBI (B) tool Picked from	Depth Shift (m)	Pick Number
781.0339	37.9263	150.8824	/	6.4	12-Jan-94	18:09:59	F	0	2750
781.1744	51.2572	9.5461	/	6.4	12-Jan-94	18:10:31	F	0	2753
781.3679	55.6483	103.8294	/	6.4	12-Jan-94	18:10:14	F	0	2752
781.4327	33.2397	121.4941	/	6.4	12-Jan-94	18:10:08	F	0	2751
781.4689	60.1279	257.6459	/	6.4	12-Jan-94	18:10:38	F	0	2754
781.9449	34.3346	108.4351	/	6.4	12-Jan-94	18:11:25	F	0	2758
781.9763	69.2091	343.2352	/	6.4	12-Jan-94	18:10:51	F	0	2755
782.0298	77.7678	121.2097	/	6.4	12-Jan-94	18:11:04	F	0	2756
782.1143	32.6354	113.1143	/	6.4	12-Jan-94	18:11:13	F	0	2757
782.2169	14.1086	233.431	/	6.4	12-Jan-94	18:11:46	F	0	2760
782.3998	23.4319	119.6053	/	6.4	12-Jan-94	18:11:37	F	0	2759
782.5778	52.0569	2.8889	/	6.4	12-Jan-94	18:11:57	F	0	2761
782.6521	63.0611	225.2591	/	6.4	12-Jan-94	18:12:12	F	0	2762
783.2645	77.7767	162.9195	/	6.4	12-Jan-94	18:12:45	F	0	2763
783.8326	63.5107	281.9403	/	6.4	12-Jan-94	18:12:56	F	0	2764
784.193	67.0922	82.163	/	6.4	04-Feb-94	10:18:10	F	0	3759
784.7194	58.7625	151.2994	/	6.4	13-Jan-94	10:00:40	F	0	2767
785.0738	63.0131	247.5924	/	6.4	13-Jan-94	10:01:16	F	0	2768
785.3667	26.8582	113.4779	/	6.4	13-Jan-94	10:01:24	F	0	2769
785.8867	79.3856	133.6523	/	6.4	13-Jan-94	10:03:12	F	0	2776
786.471	71.2523	126.4652	/	6.4	13-Jan-94	10:01:43	F	0	2770
786.5319	76.2589	272.4792	/	6.4	13-Jan-94	10:01:58	F	0	2771
786.6827	48.5642	102.5678	/	6.4	04-Feb-94	10:35:53	F	0	3760
786.9745	30.9192	117.3864	/	6.4	13-Jan-94	10:02:15	F	0	2772
787.161	77.305	266.7516	/	6.4	13-Jan-94	10:02:34	F	0	2773
787.2812	74.1069	119.9732	/	6.4	13-Jan-94	10:02:42	F	0	2774
787.4763	71.4373	282.8575	/	6.4	13-Jan-94	10:03:30	F	0	2777
787.7414	45.0011	139.117	/	6.4	13-Jan-94	10:02:51	F	0	2775
788.0339	68.7792	96.6236	/	6.4	13-Jan-94	10:08:08	F	0	2778
788.4199	69.4416	116.3001	/	6.4	13-Jan-94	10:08:28	F	0	2779
788.7086	75.1278	127.7229	/	6.35	13-Jan-94	10:08:41	F	0	2780
788.9966	67.9267	85.4312	/	6.35	13-Jan-94	10:08:51	F	0	2781
789.1625	30.9214	93.6188	/	6.34	13-Jan-94	10:09:00	F	0	2782
789.5093	42.2785	147.0246	/	6.3498	13-Jan-94	10:09:07	F	0	2783
789.7448	29.9286	144.202	/	6.35	13-Jan-94	10:09:12	F	0	2784
789.8752	53.5418	14.1807	/	6.35	13-Jan-94	10:09:22	F	0	2785

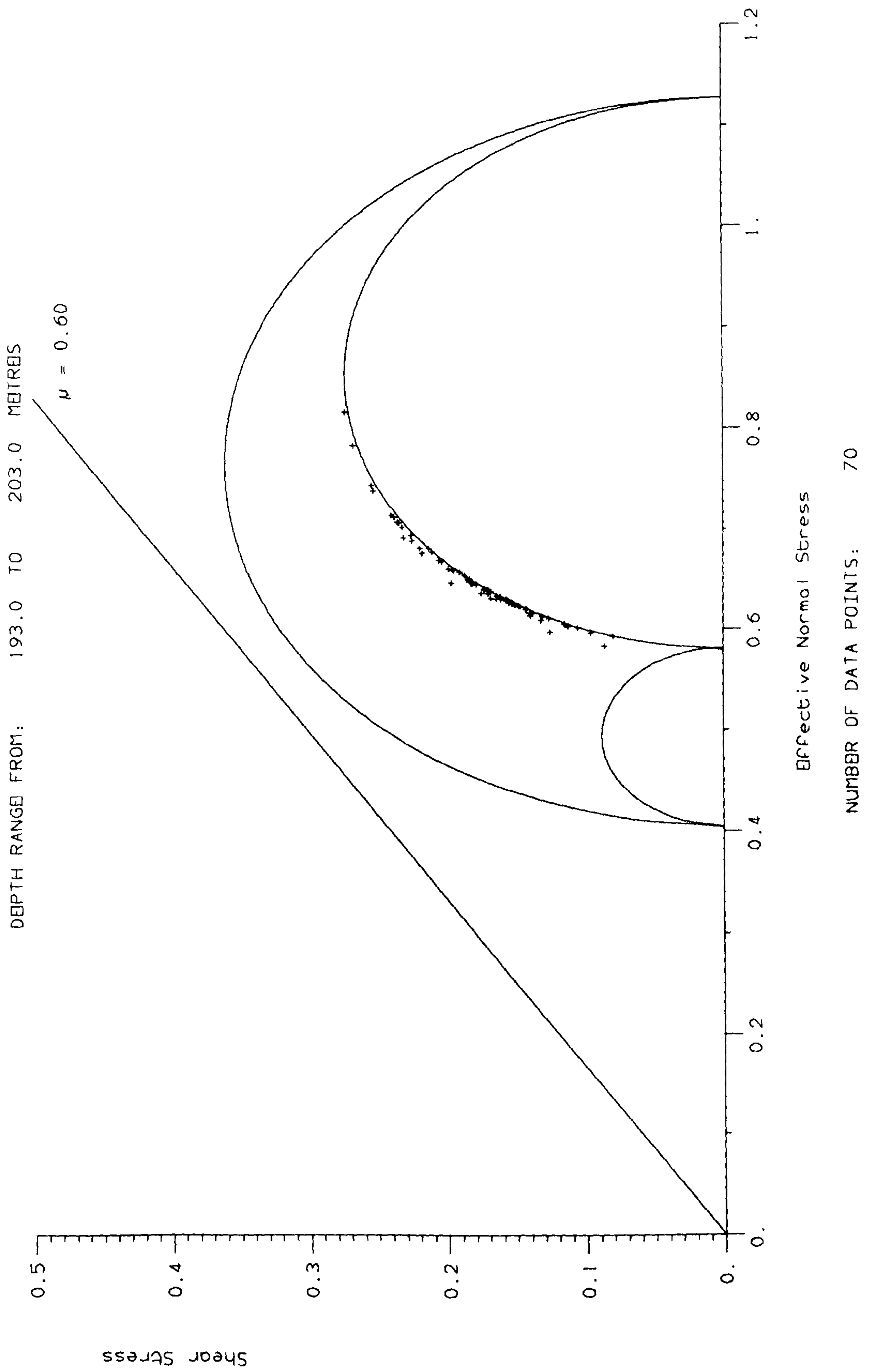
Table App 9.4 - Discontinuity data file generated from the BGS's analysis.



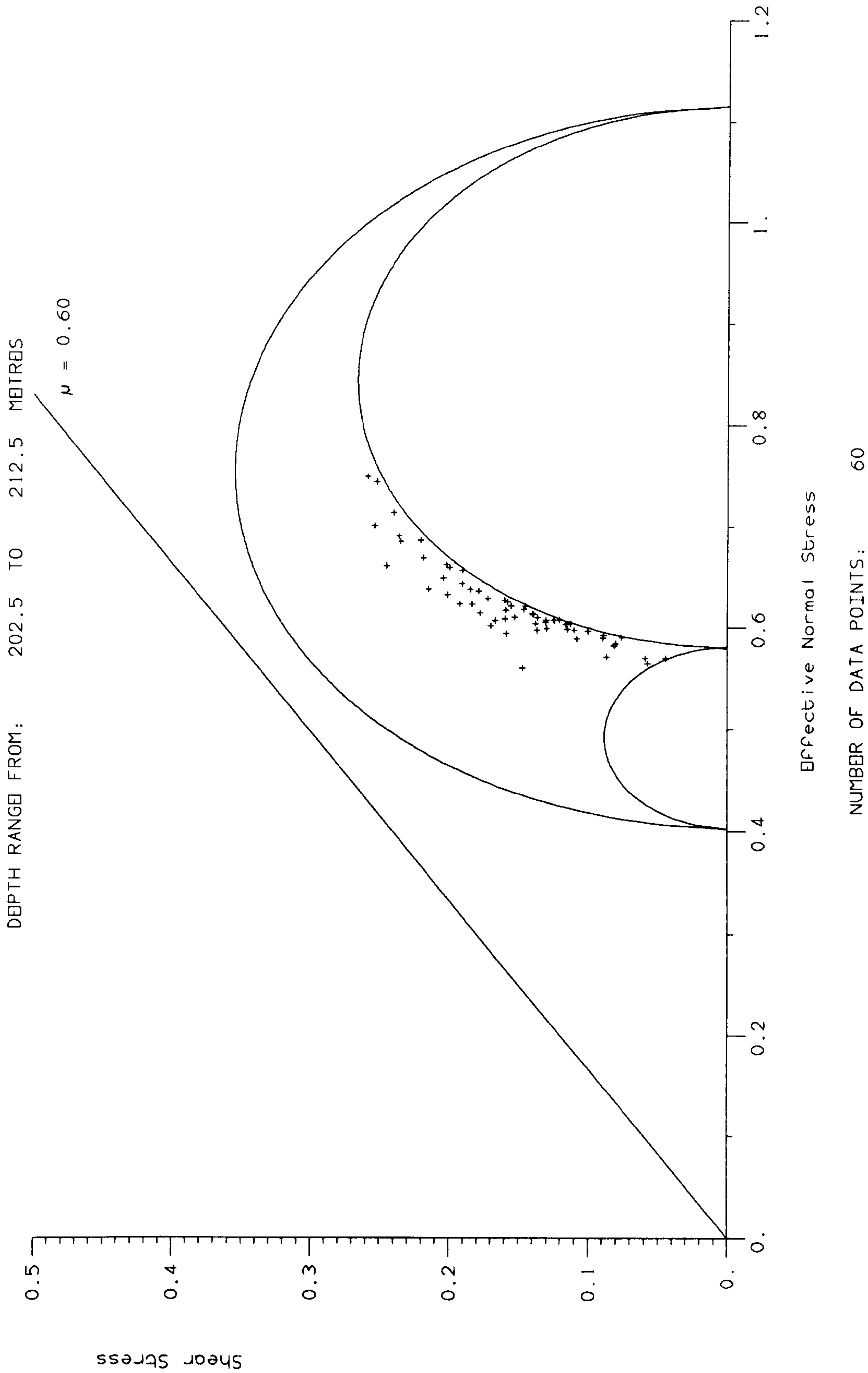
## **Appendix 10**

### **Critical Stress Data – Flow Zone & Short Interval Stress Analysis**

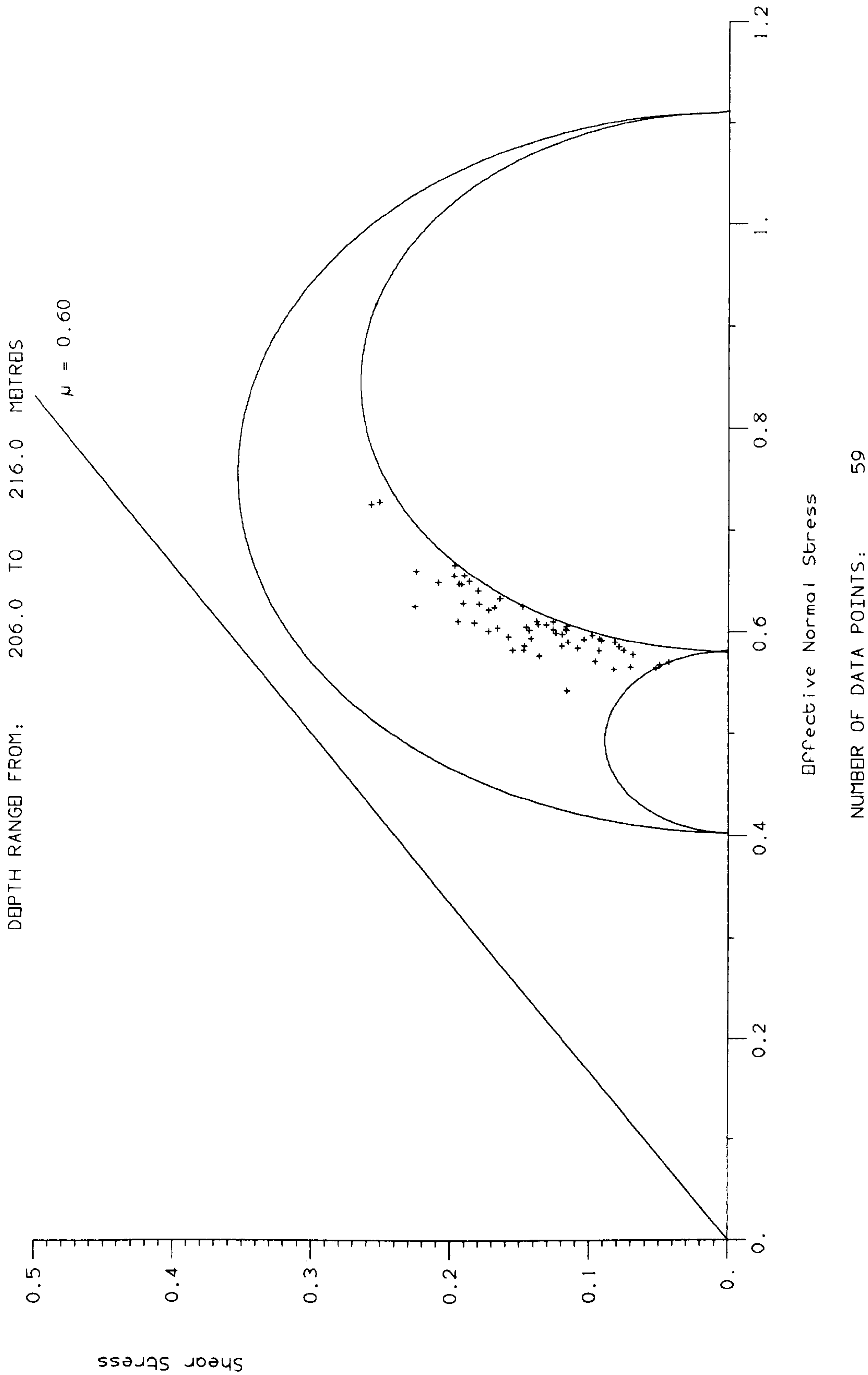




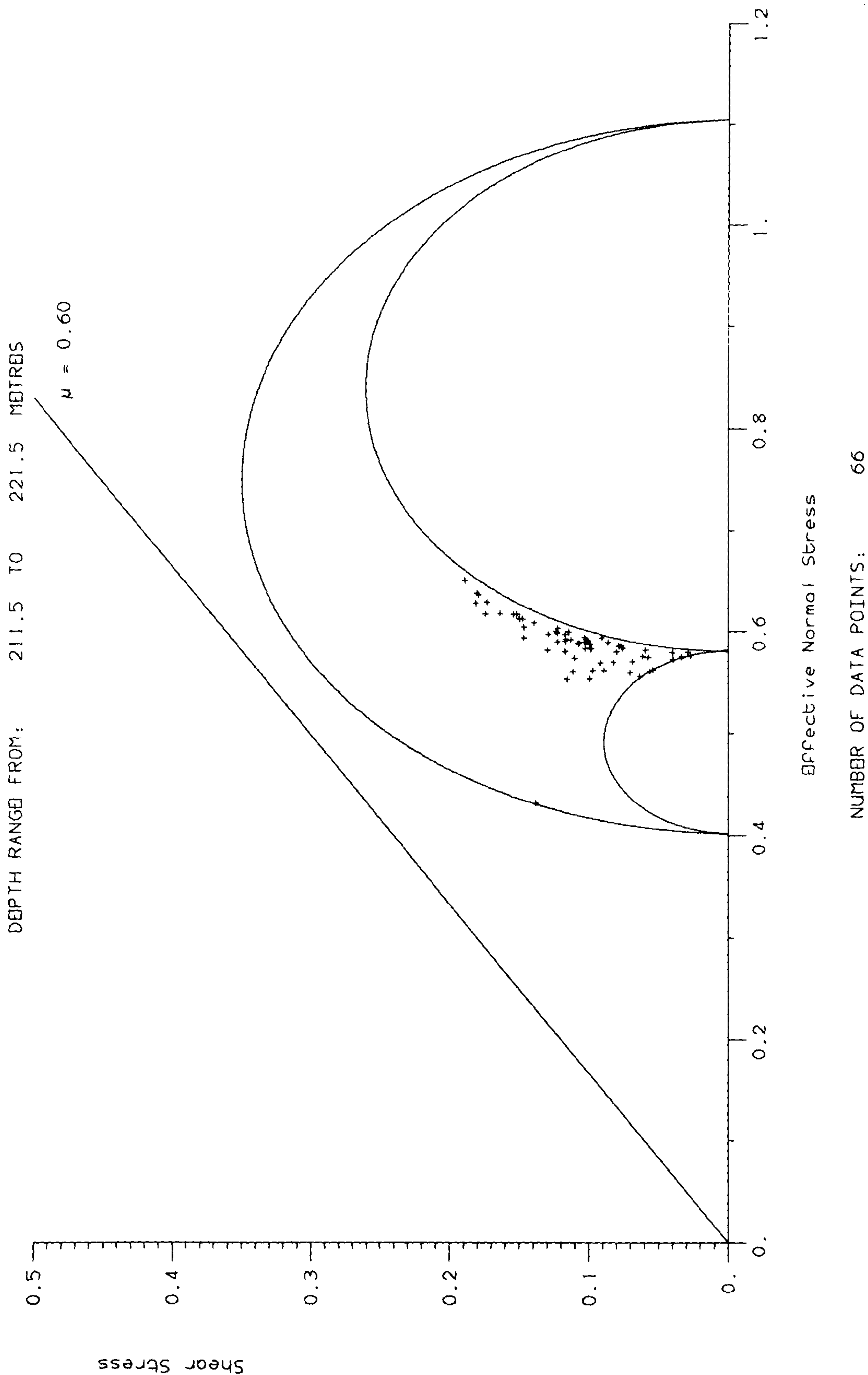




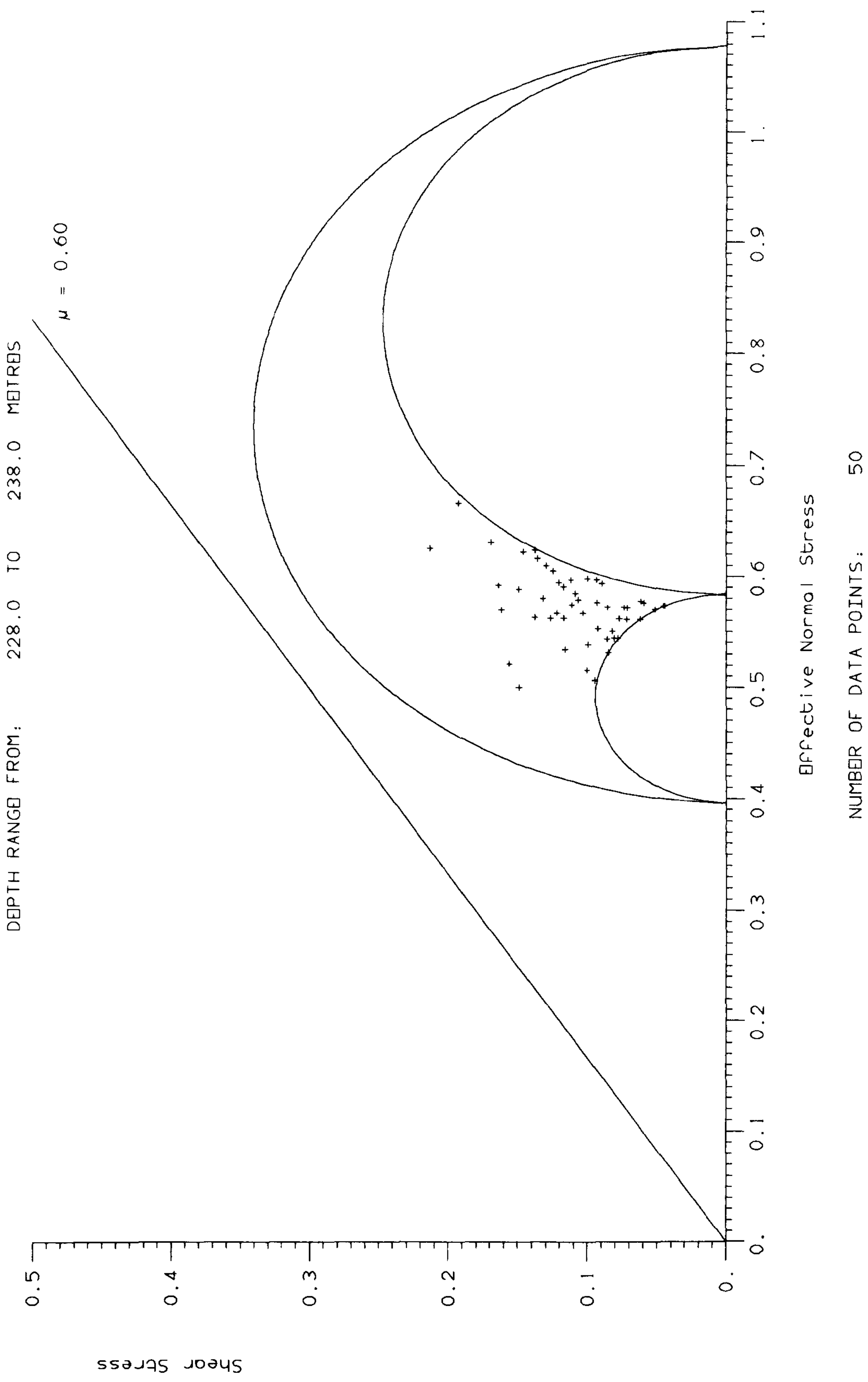




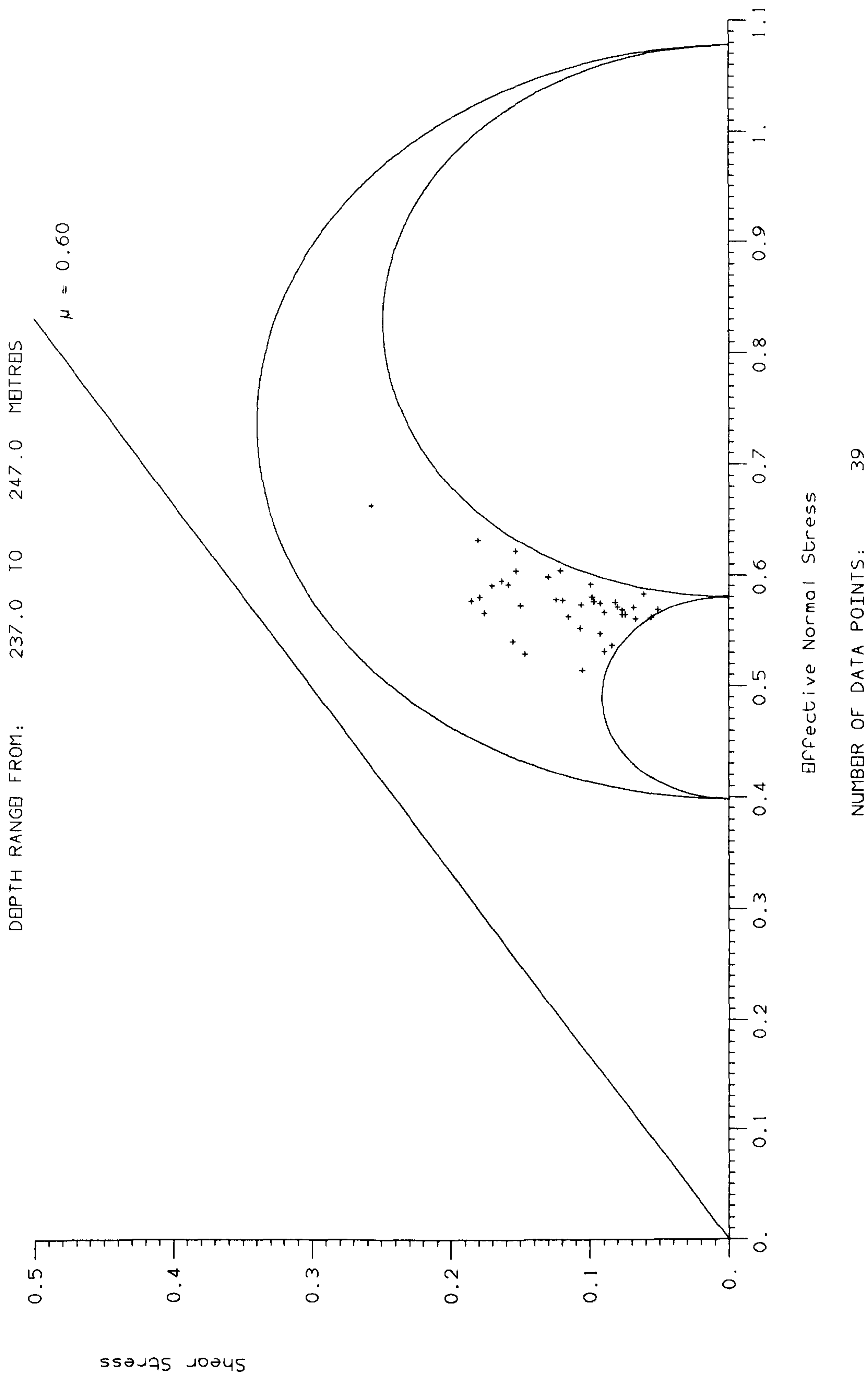




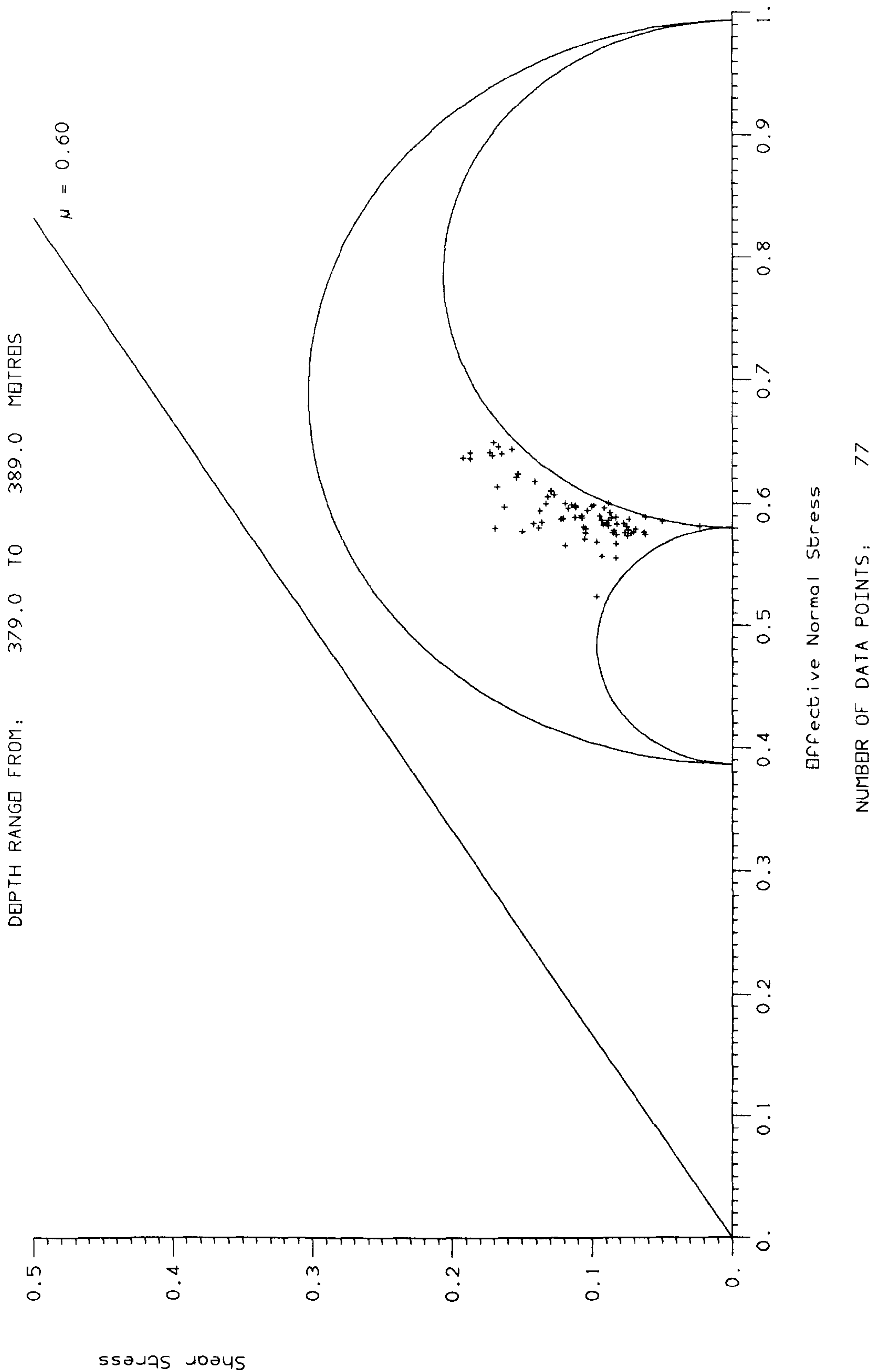




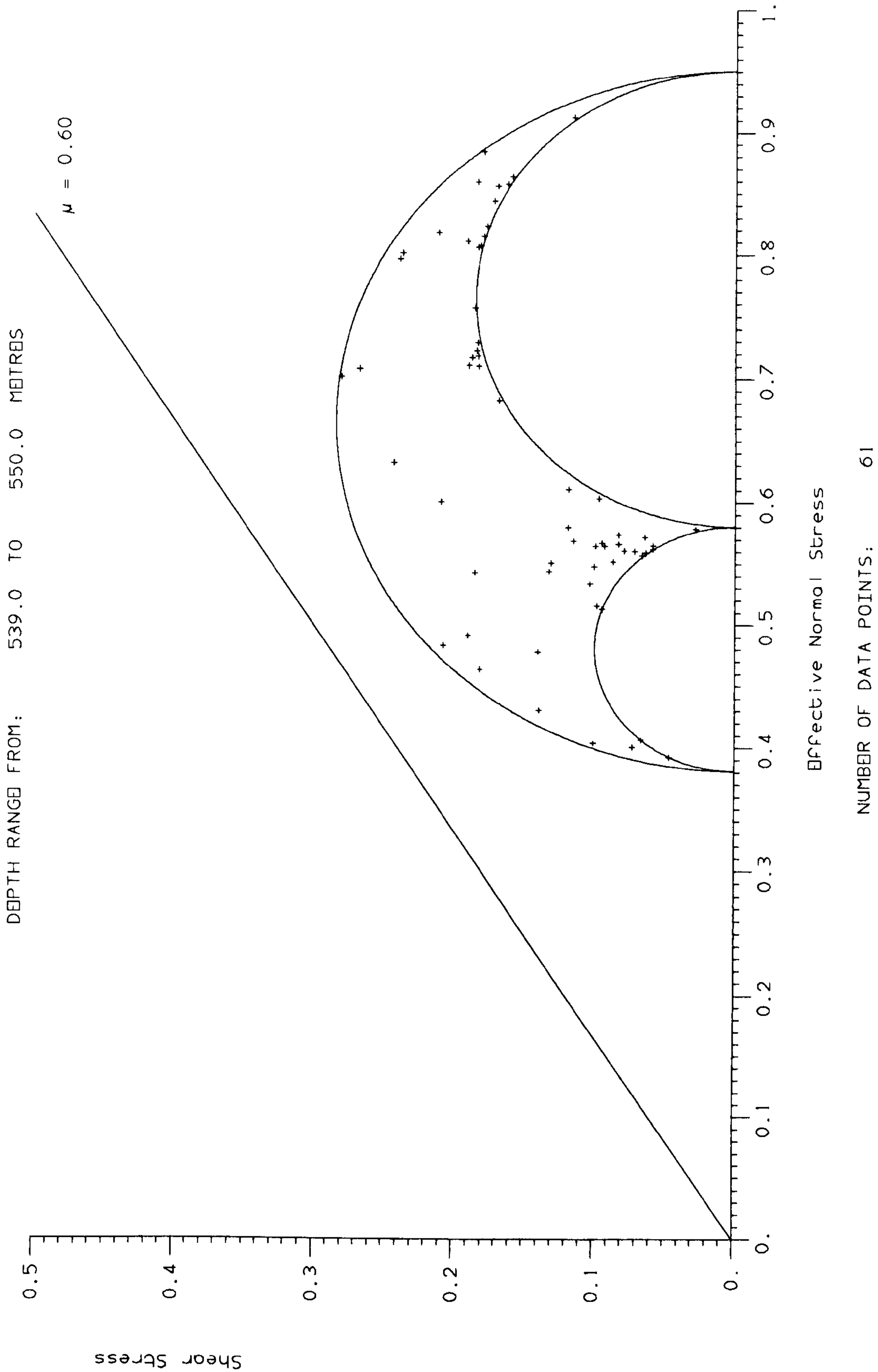




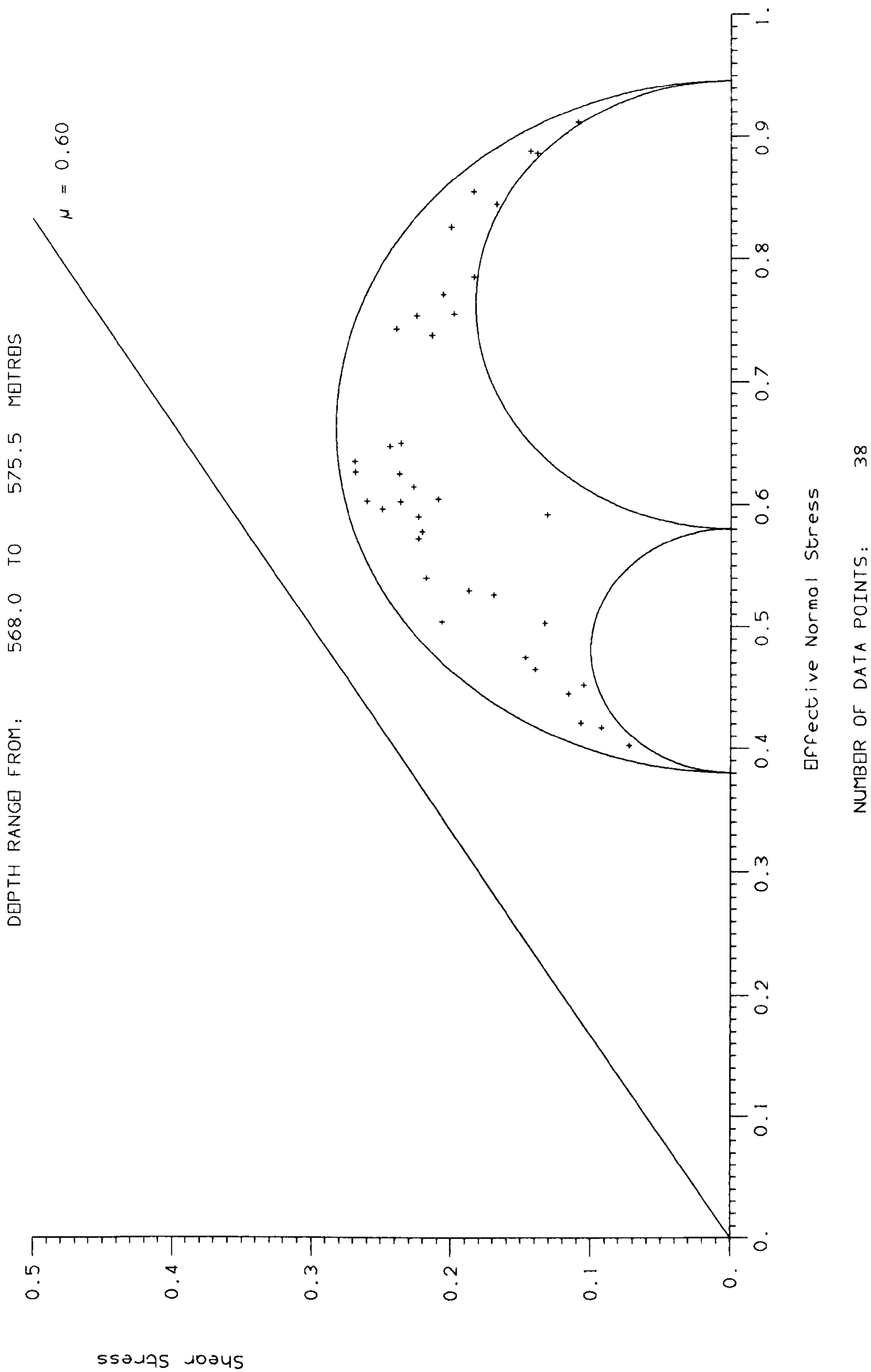




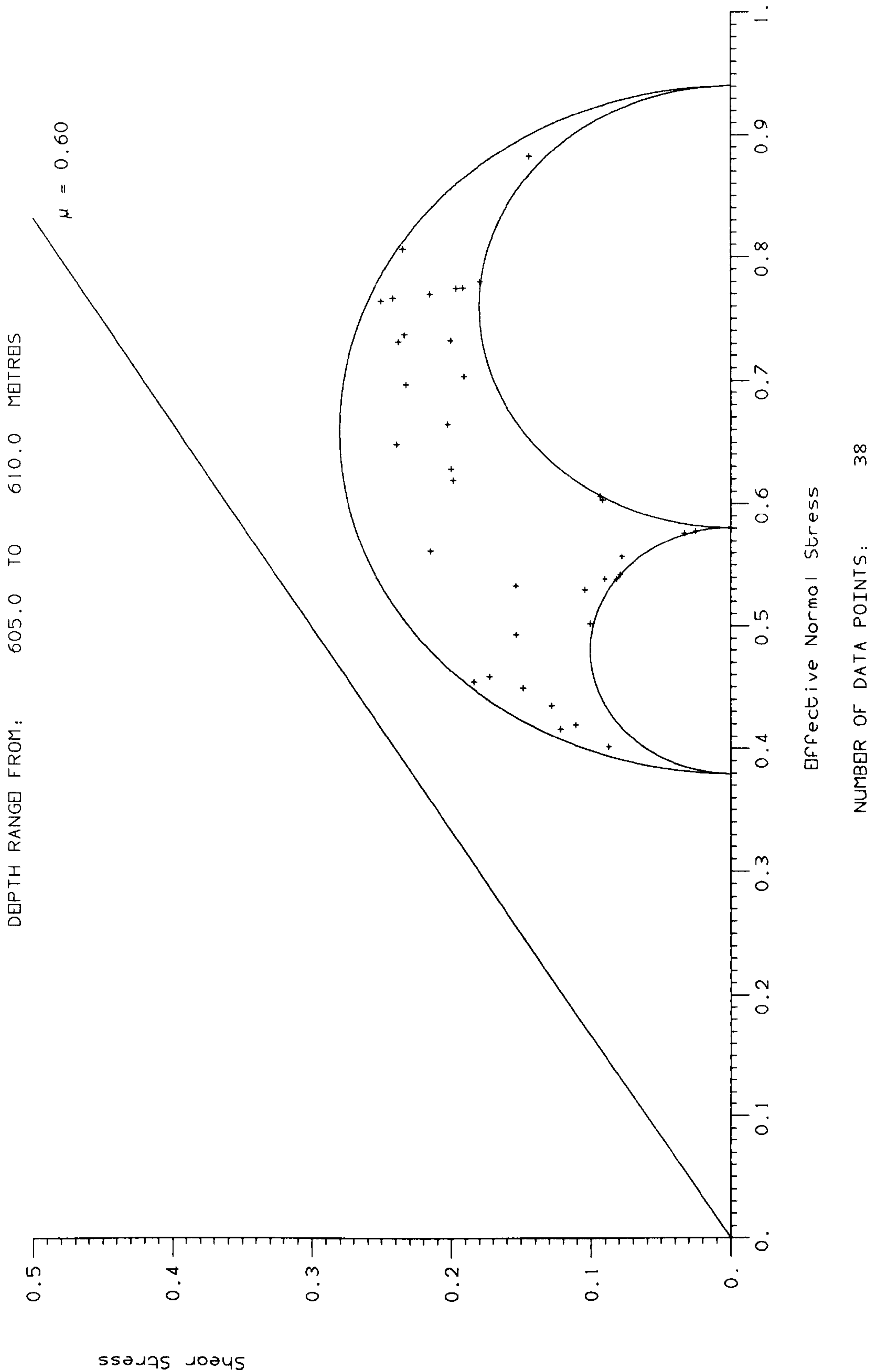




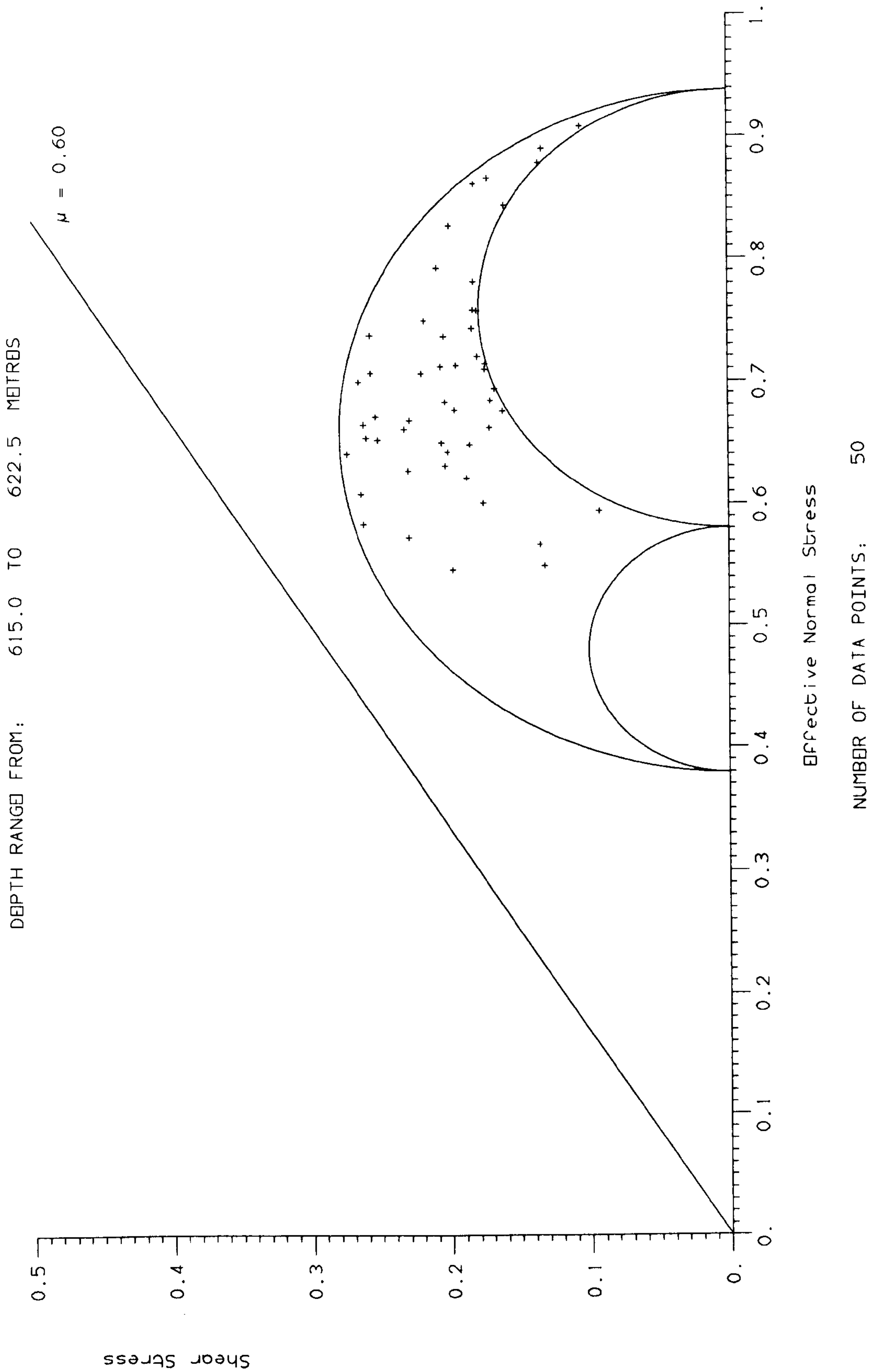




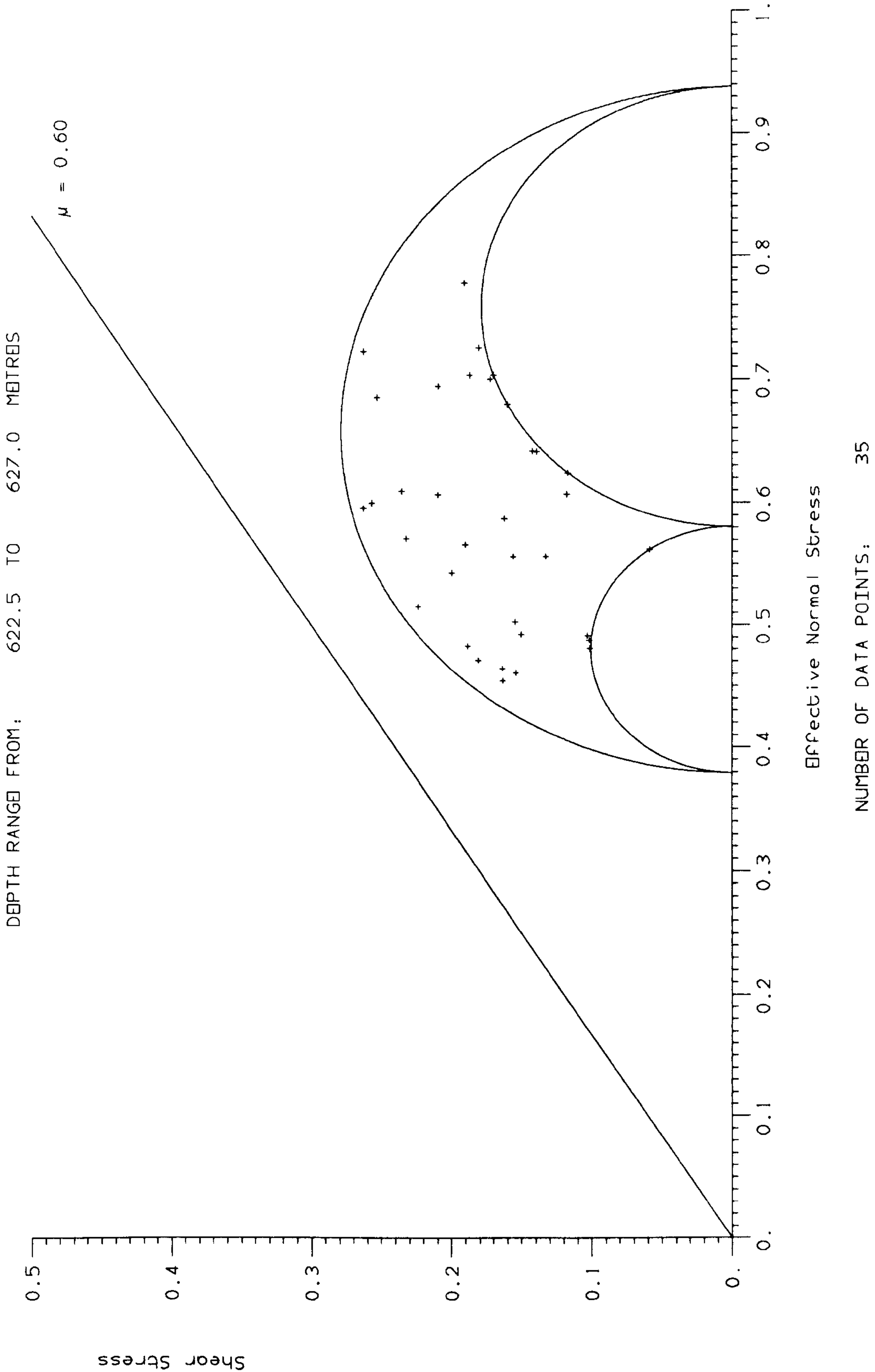




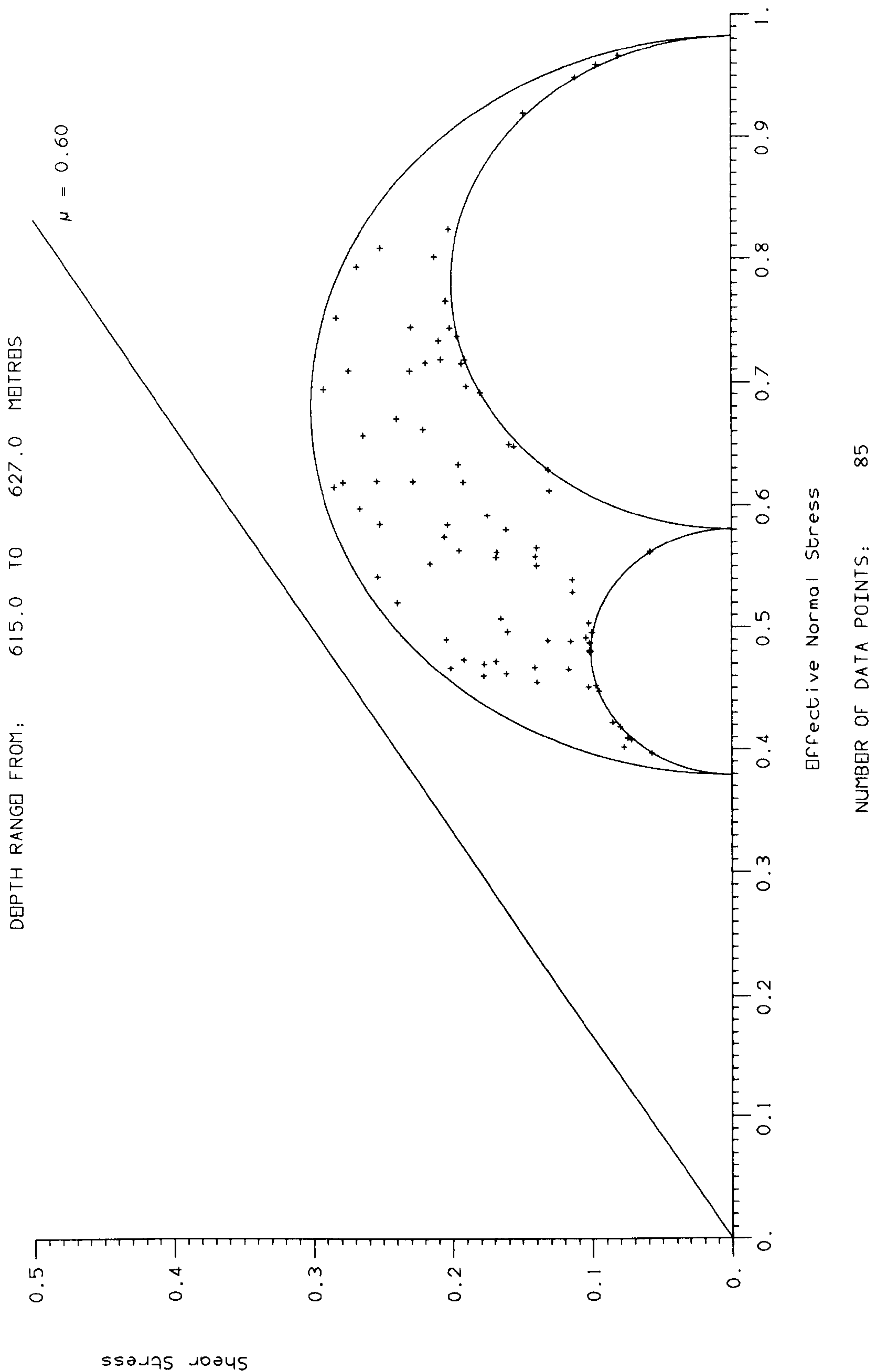




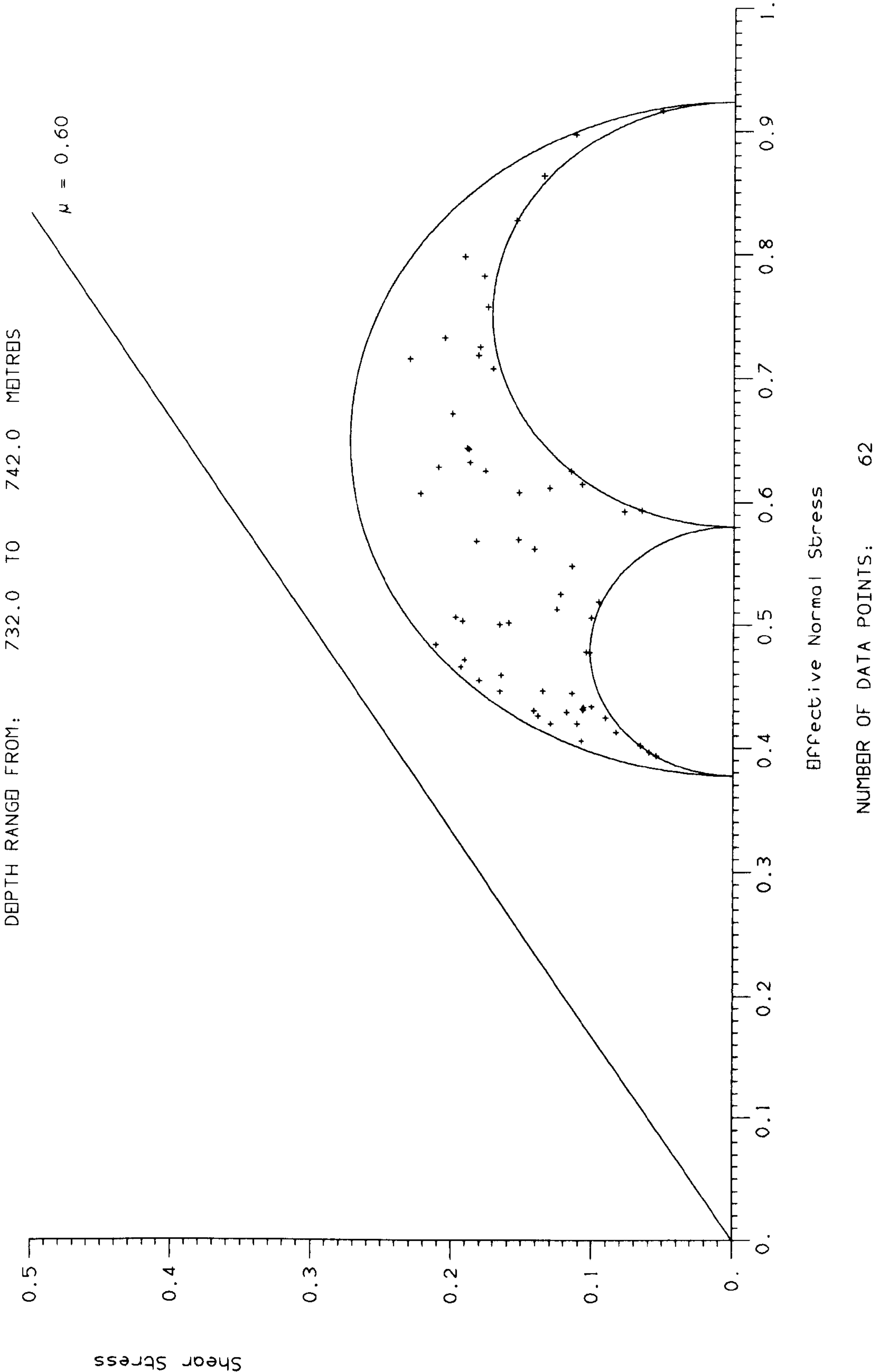




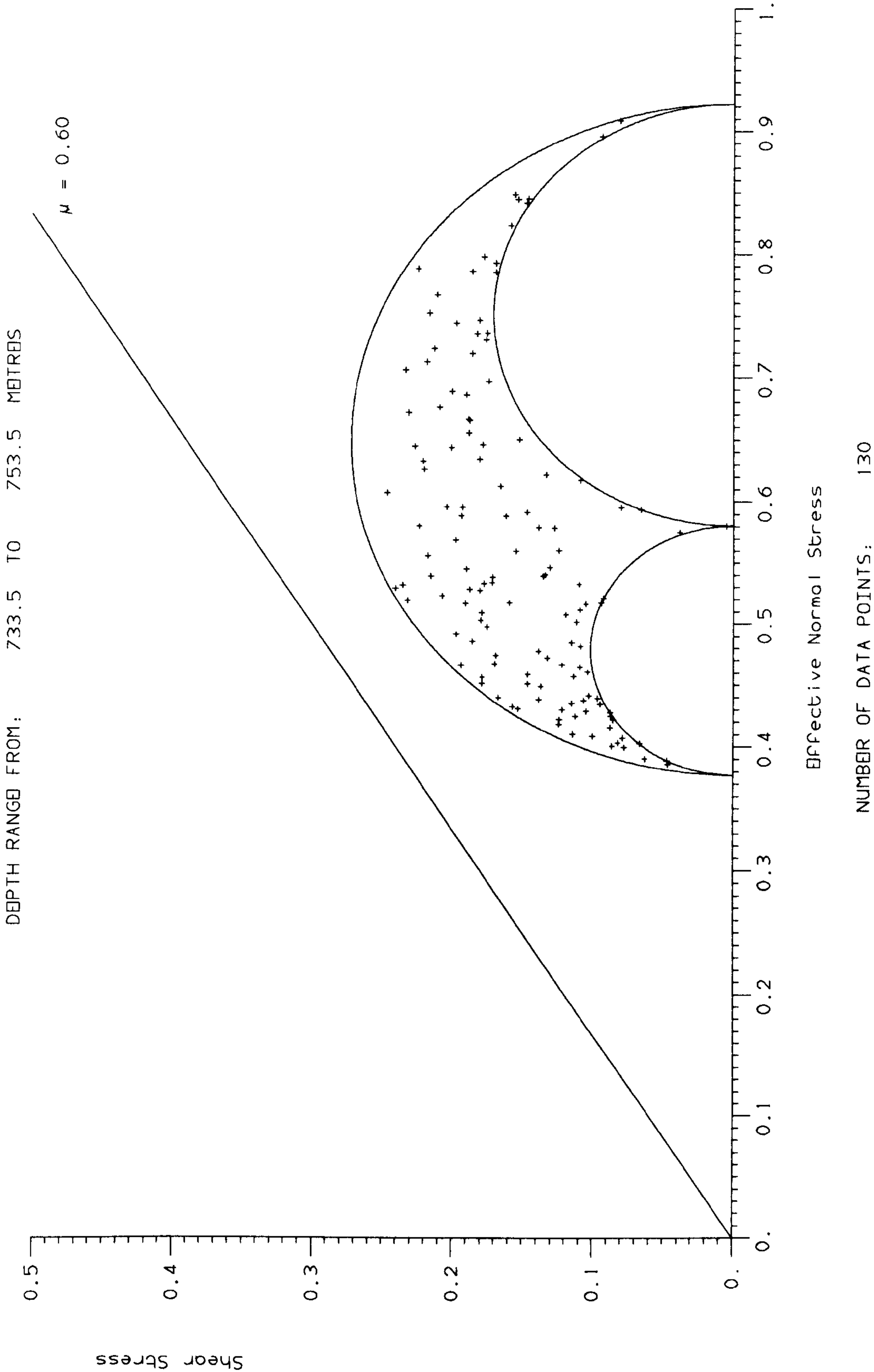




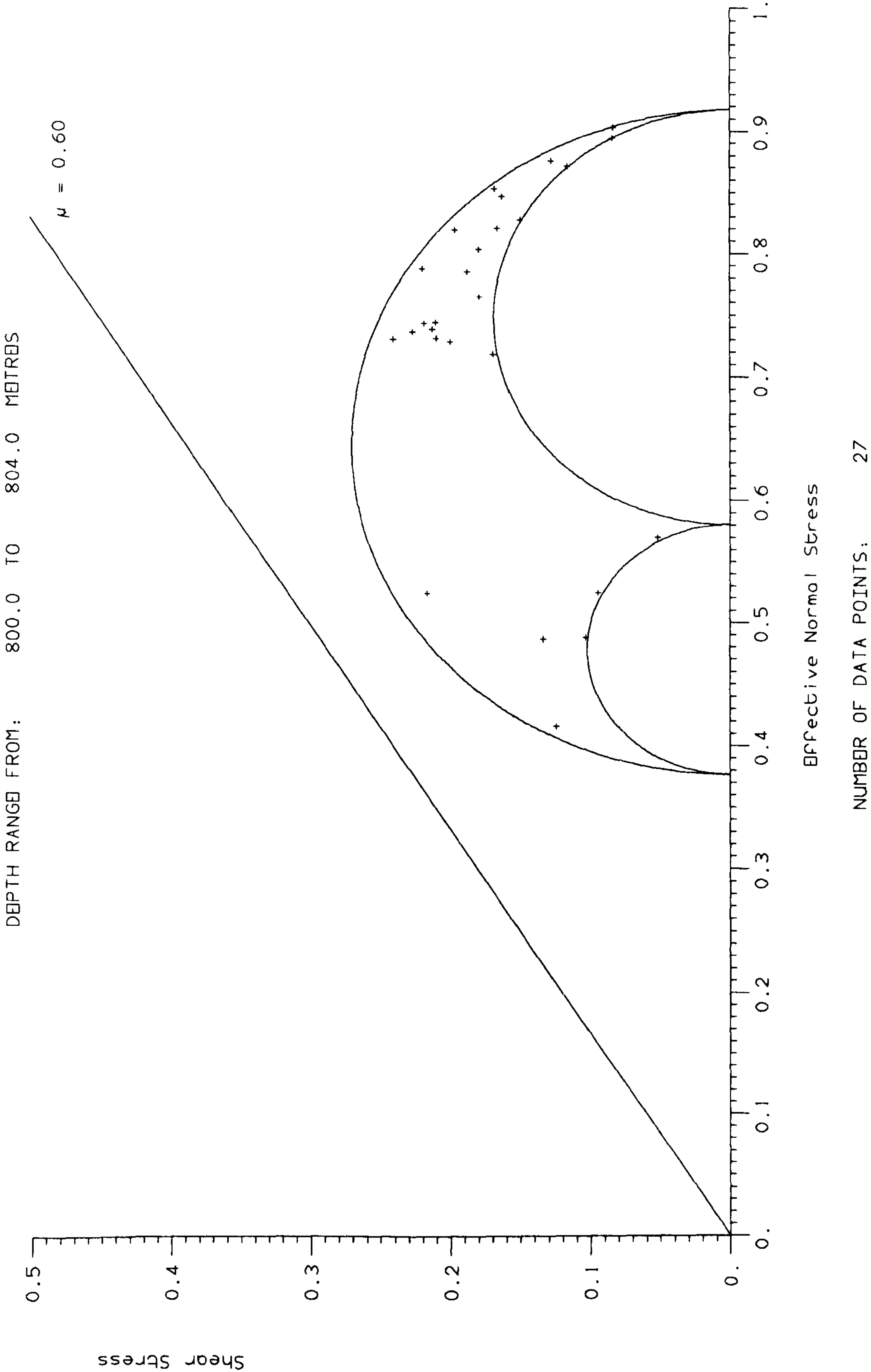




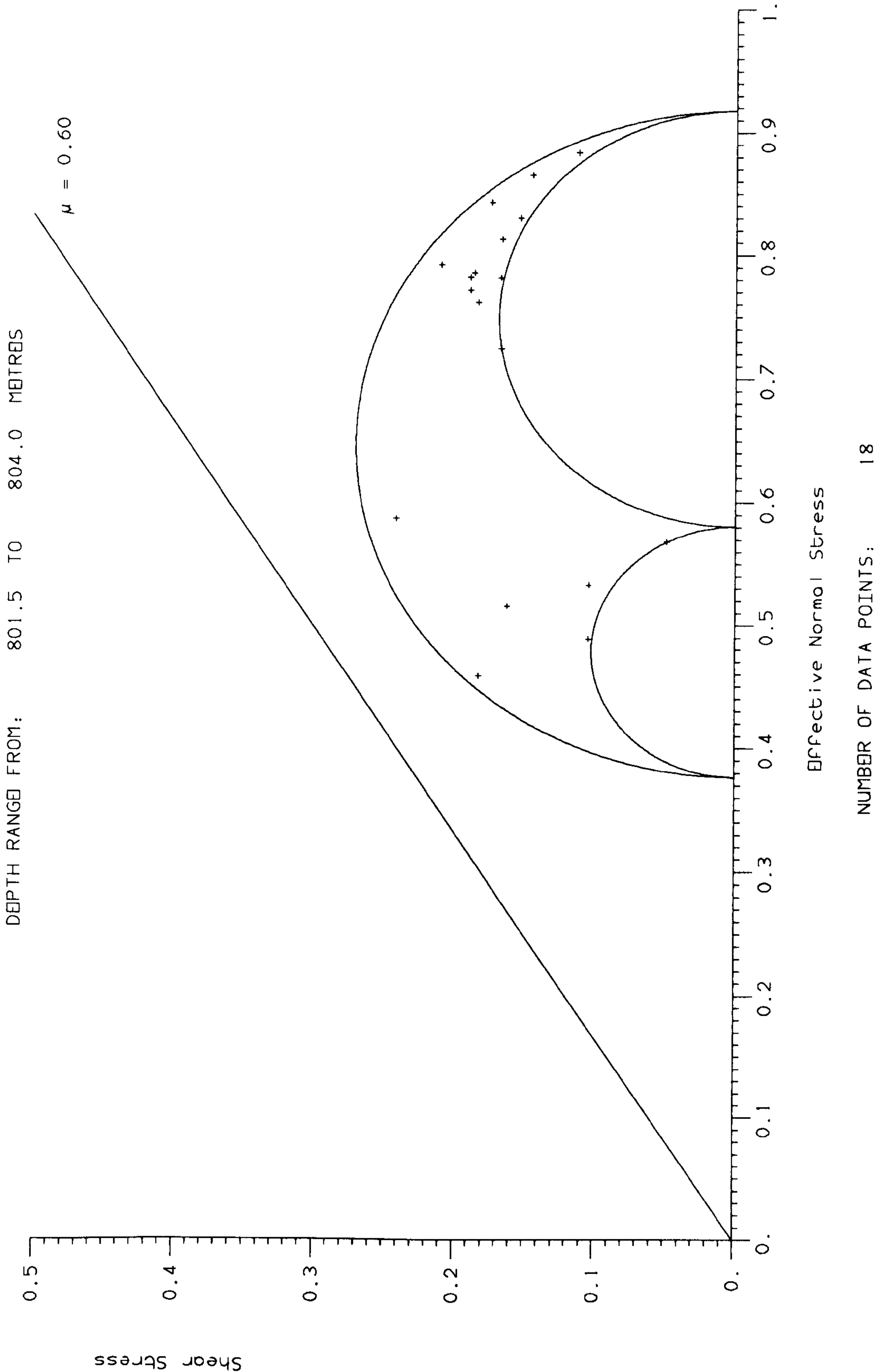




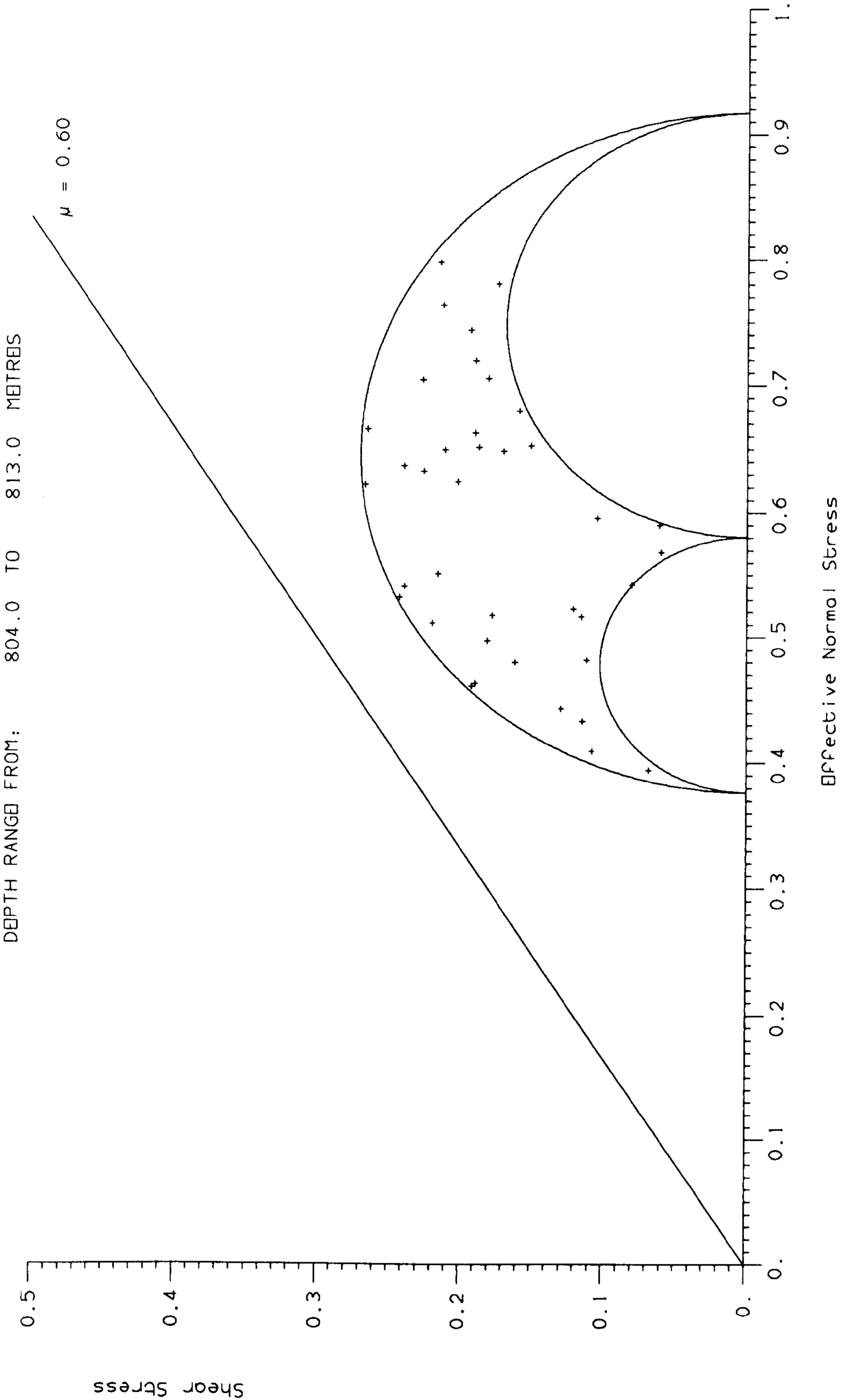




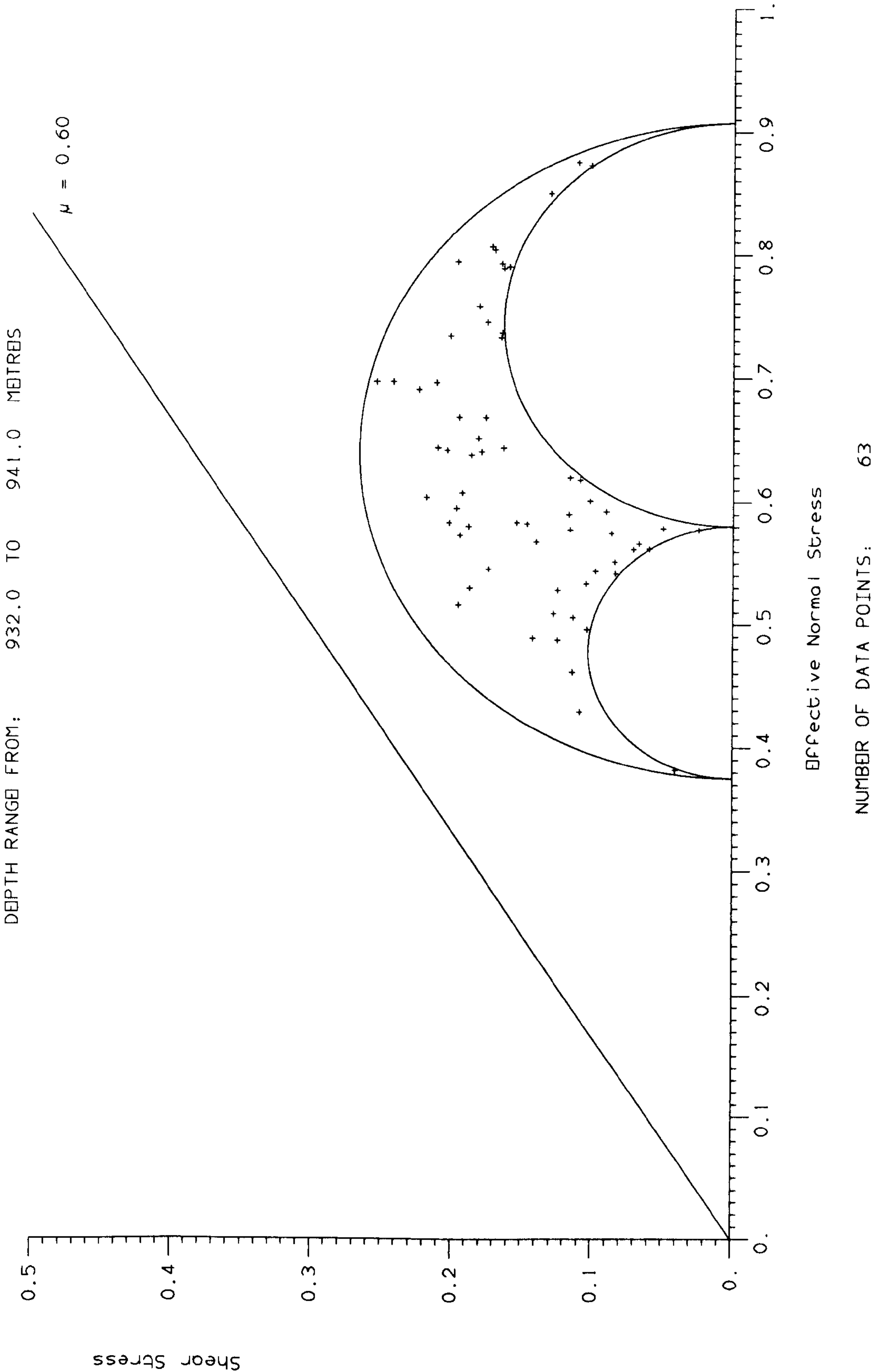




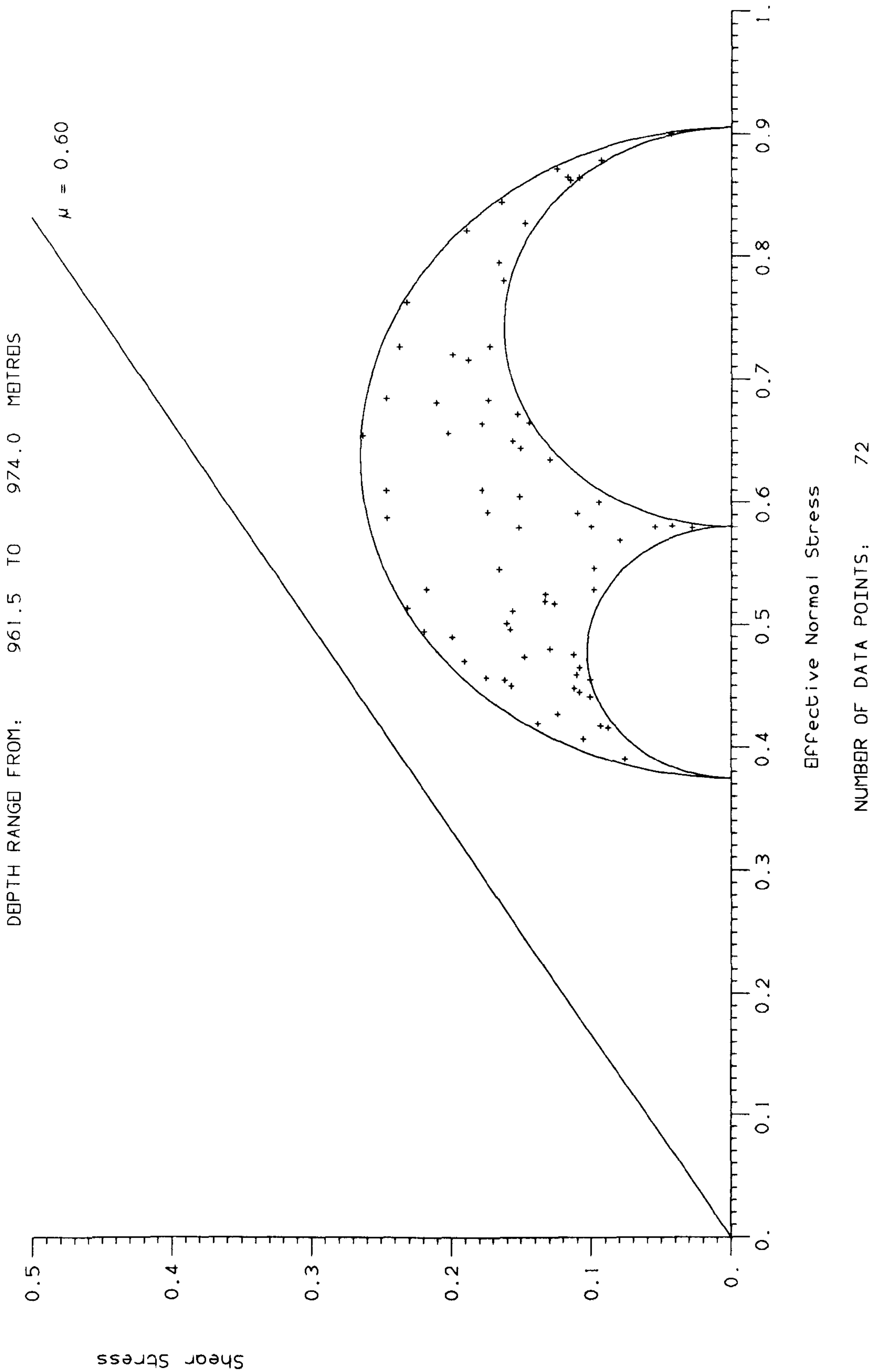




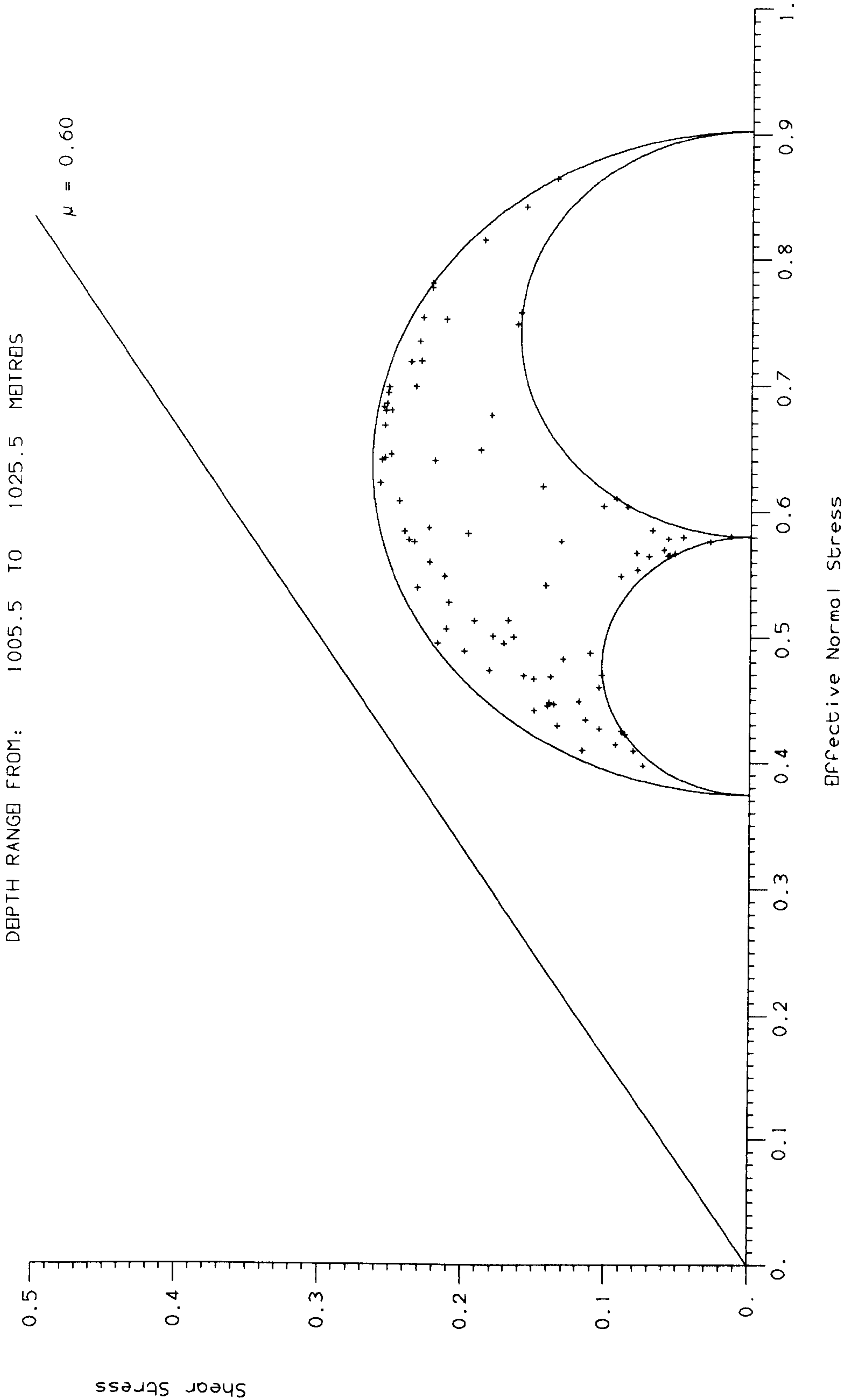




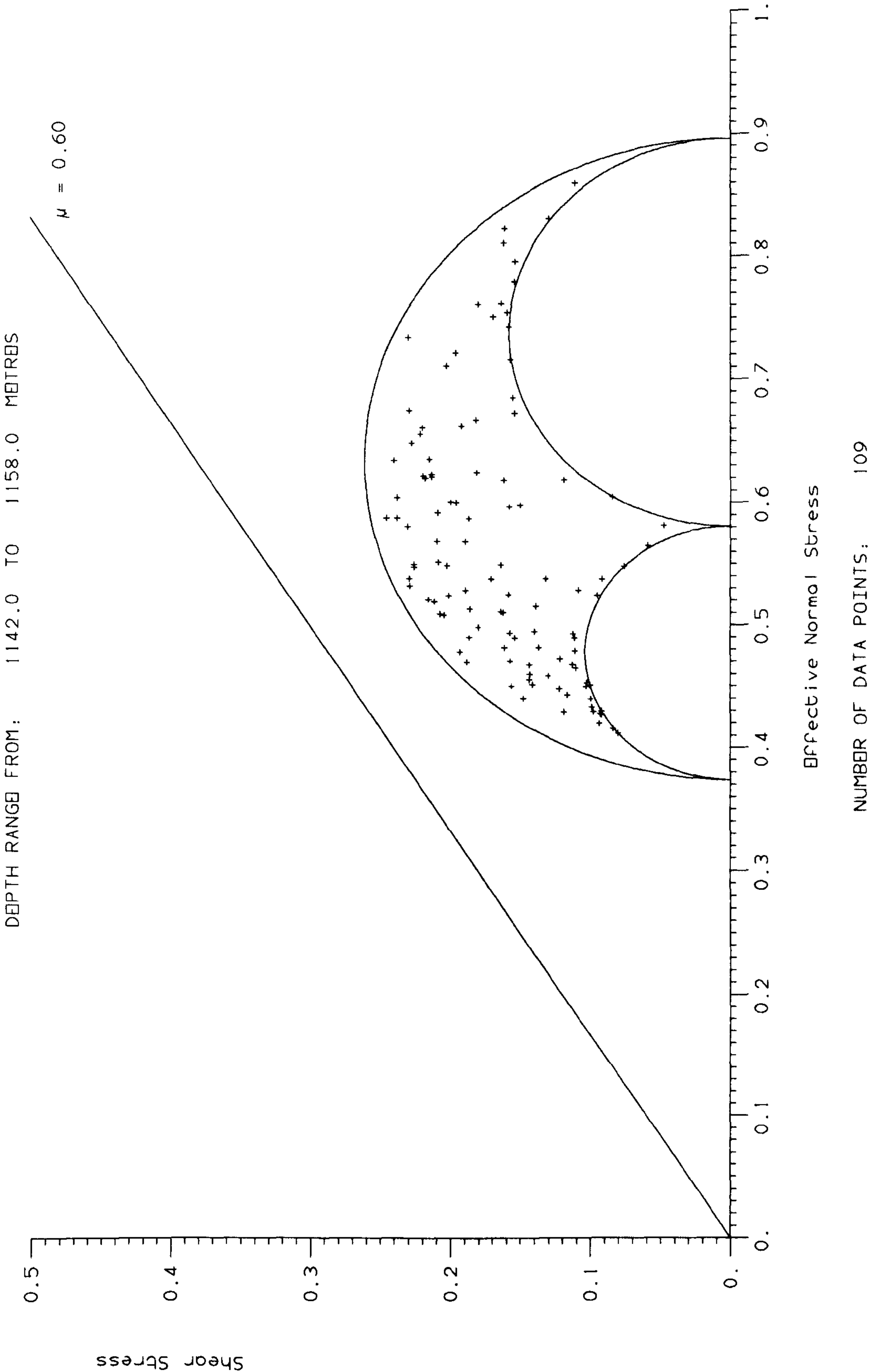




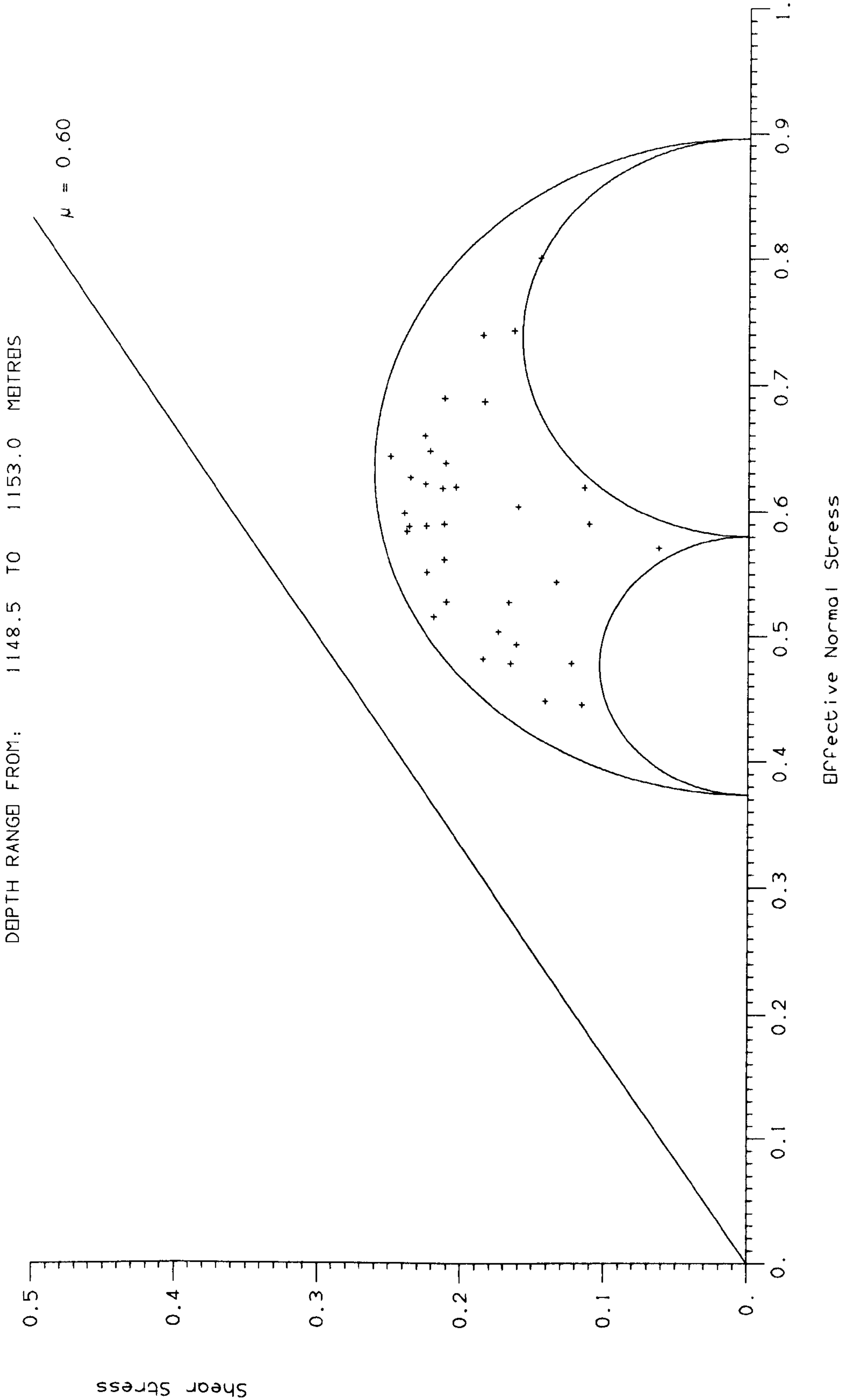




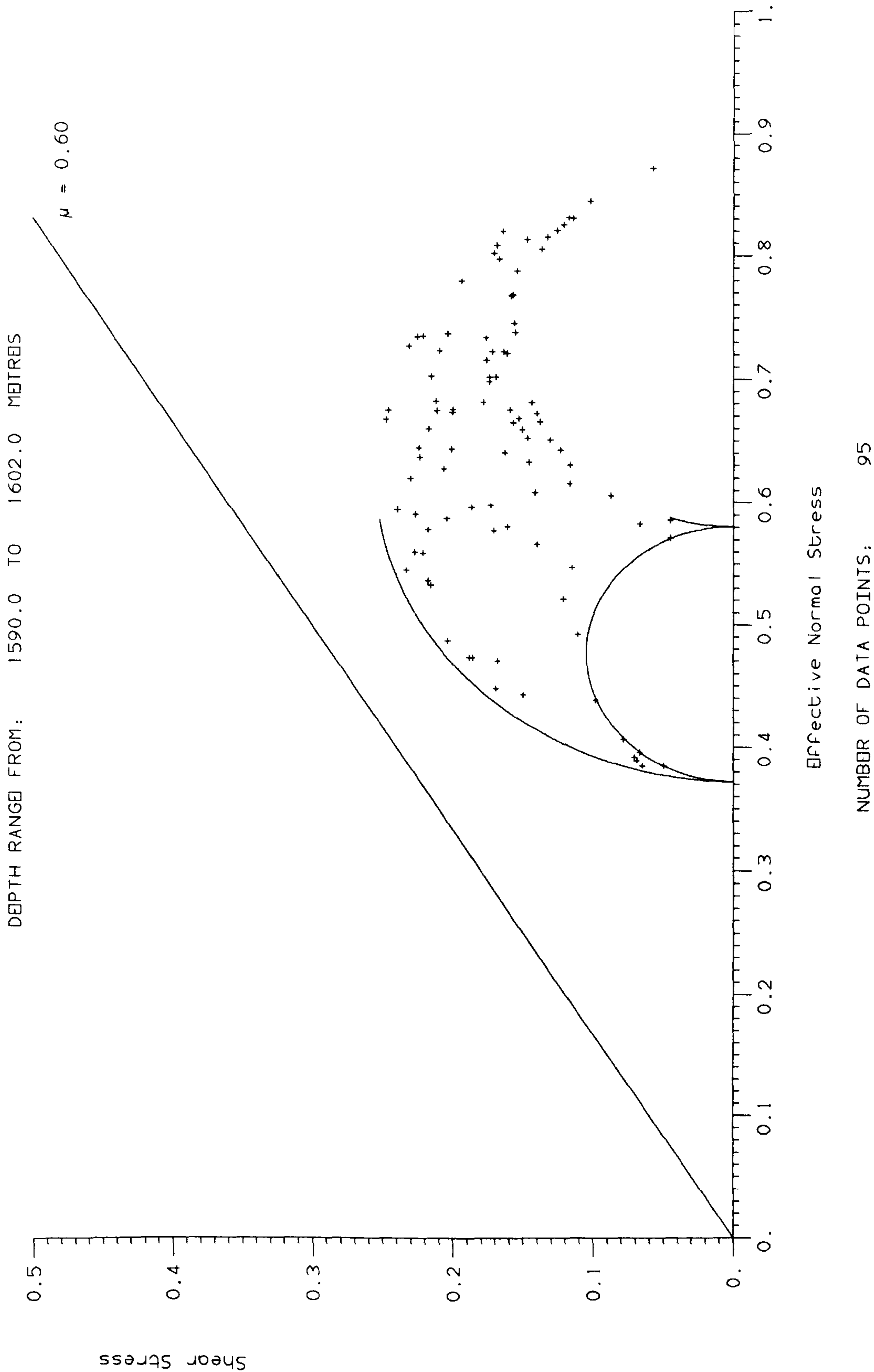




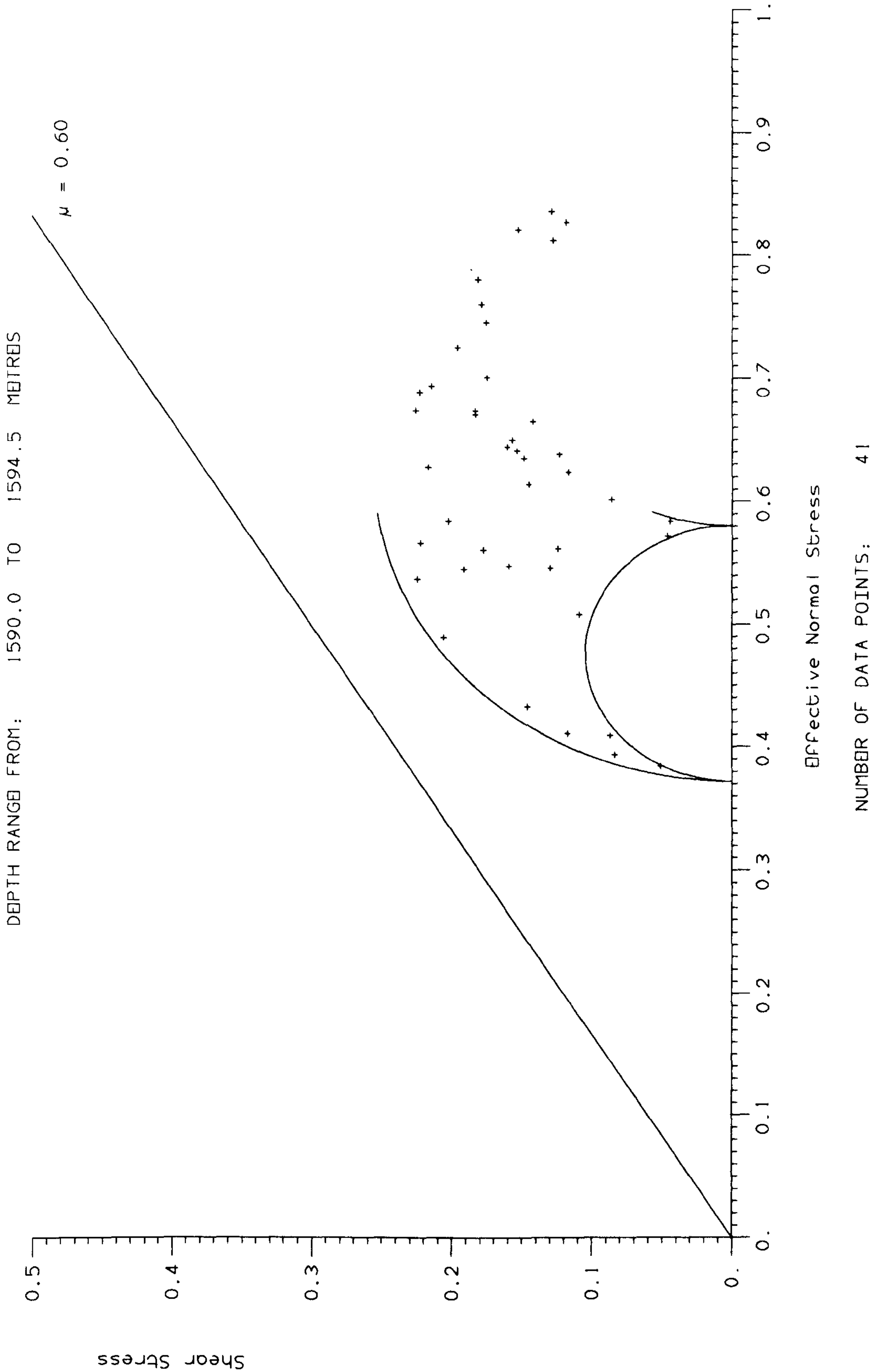




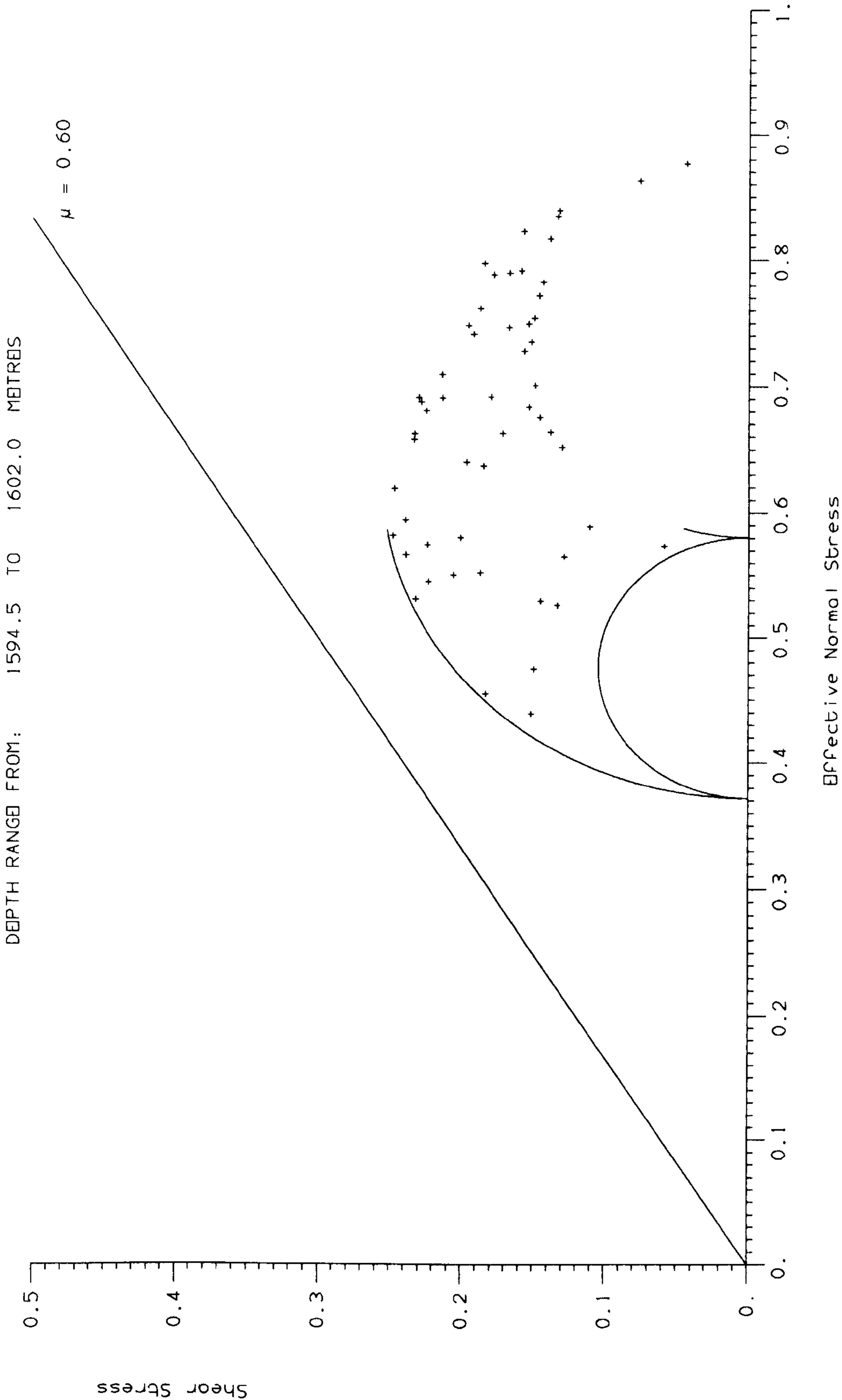




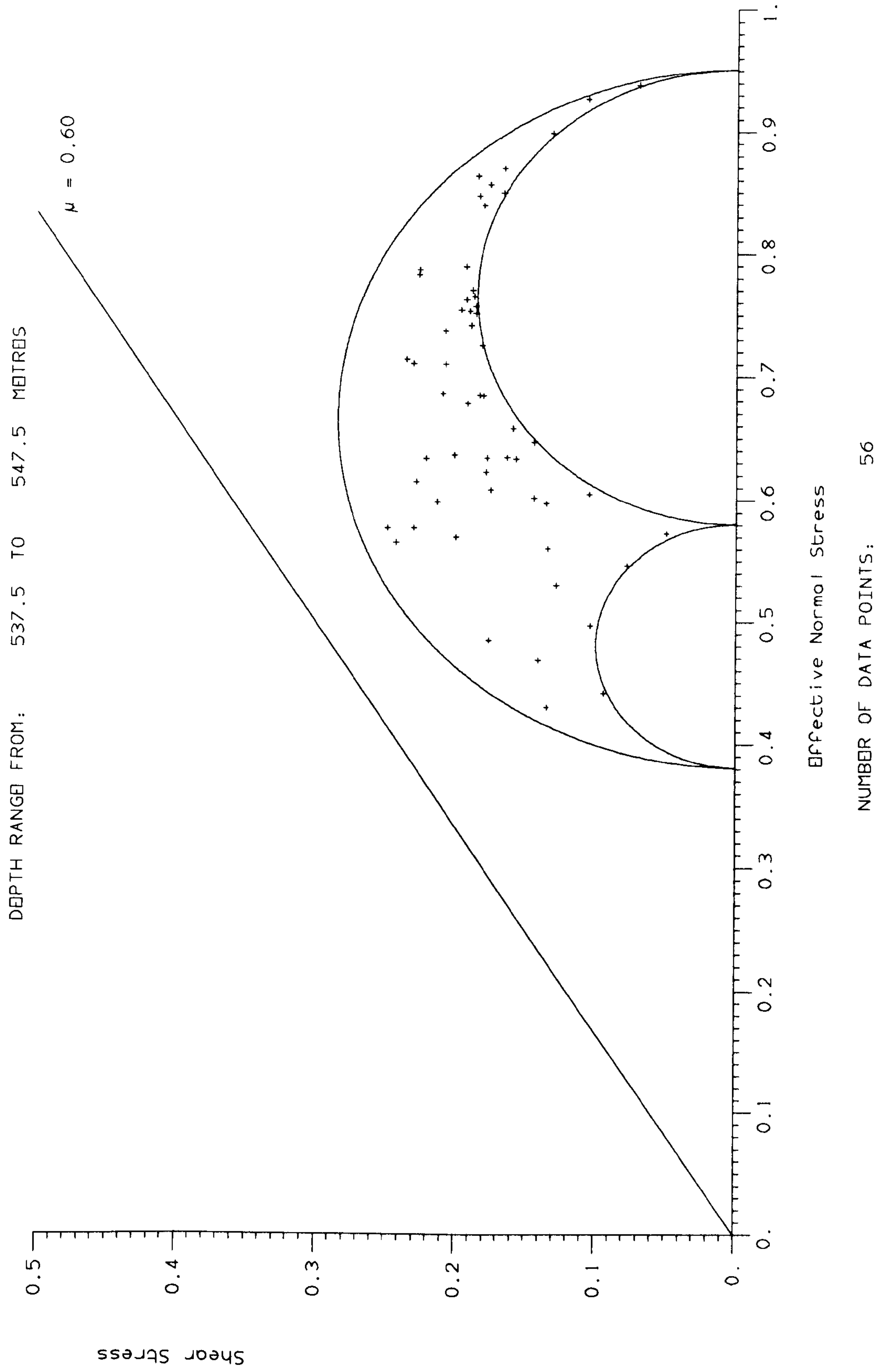




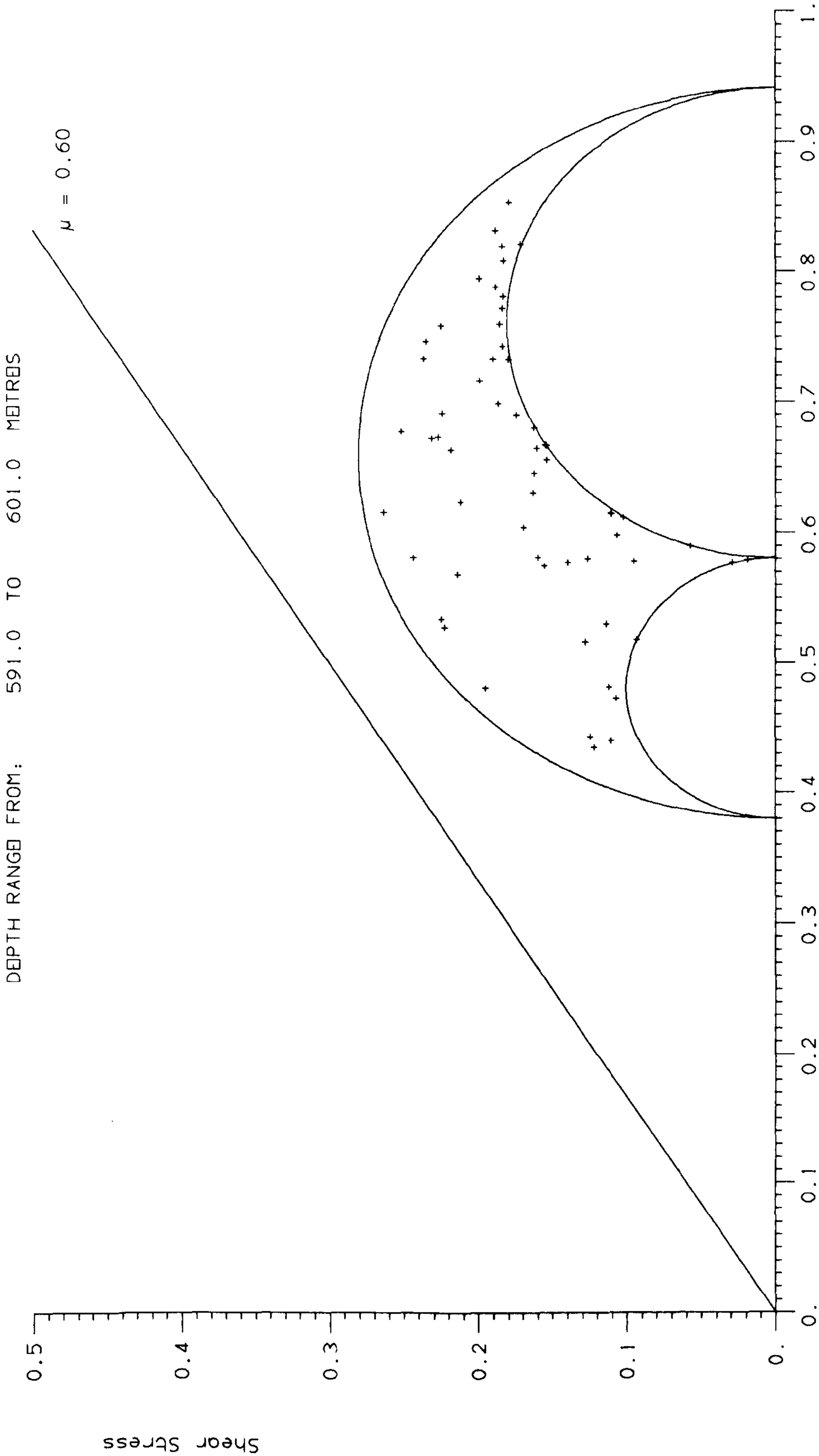




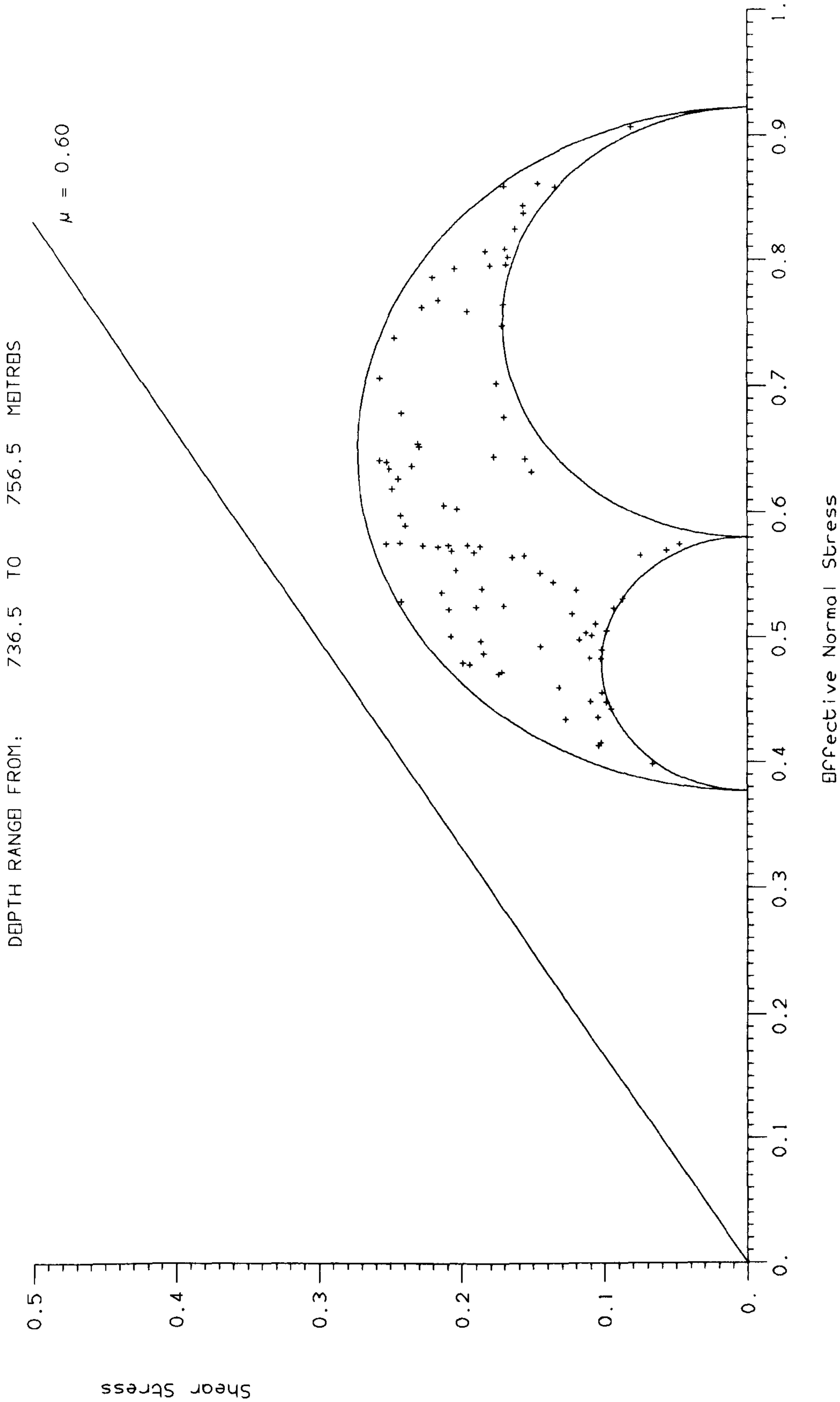




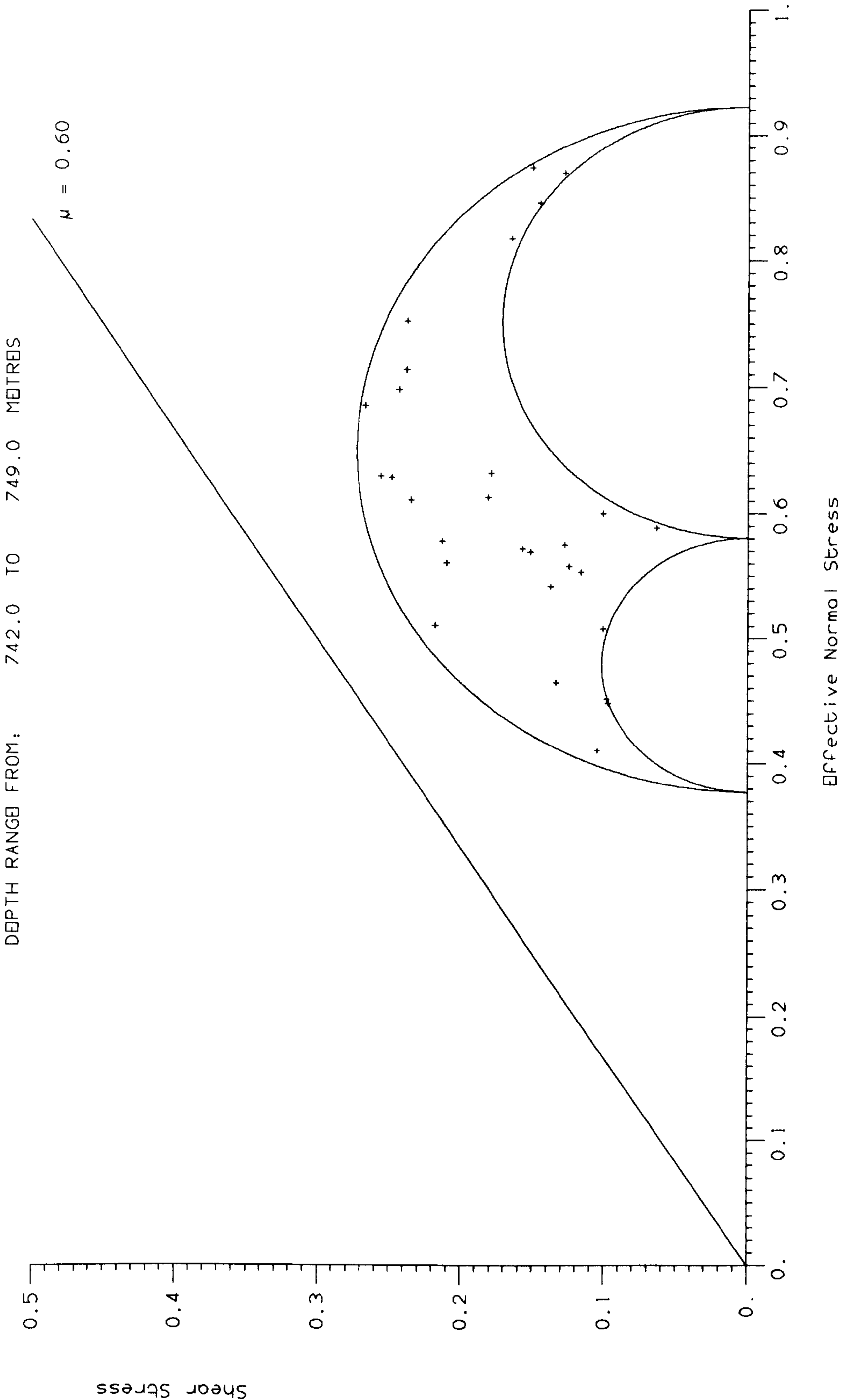




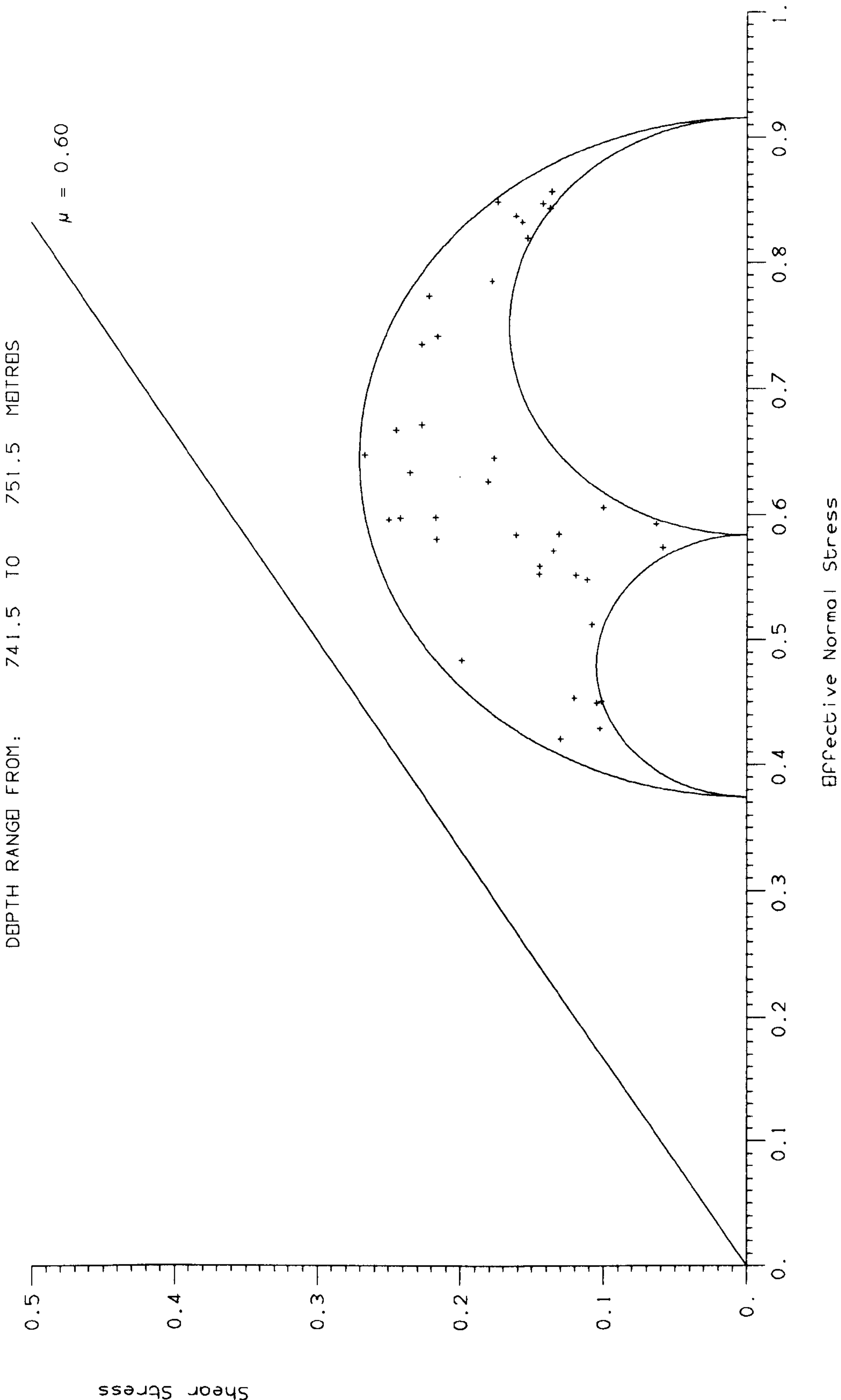




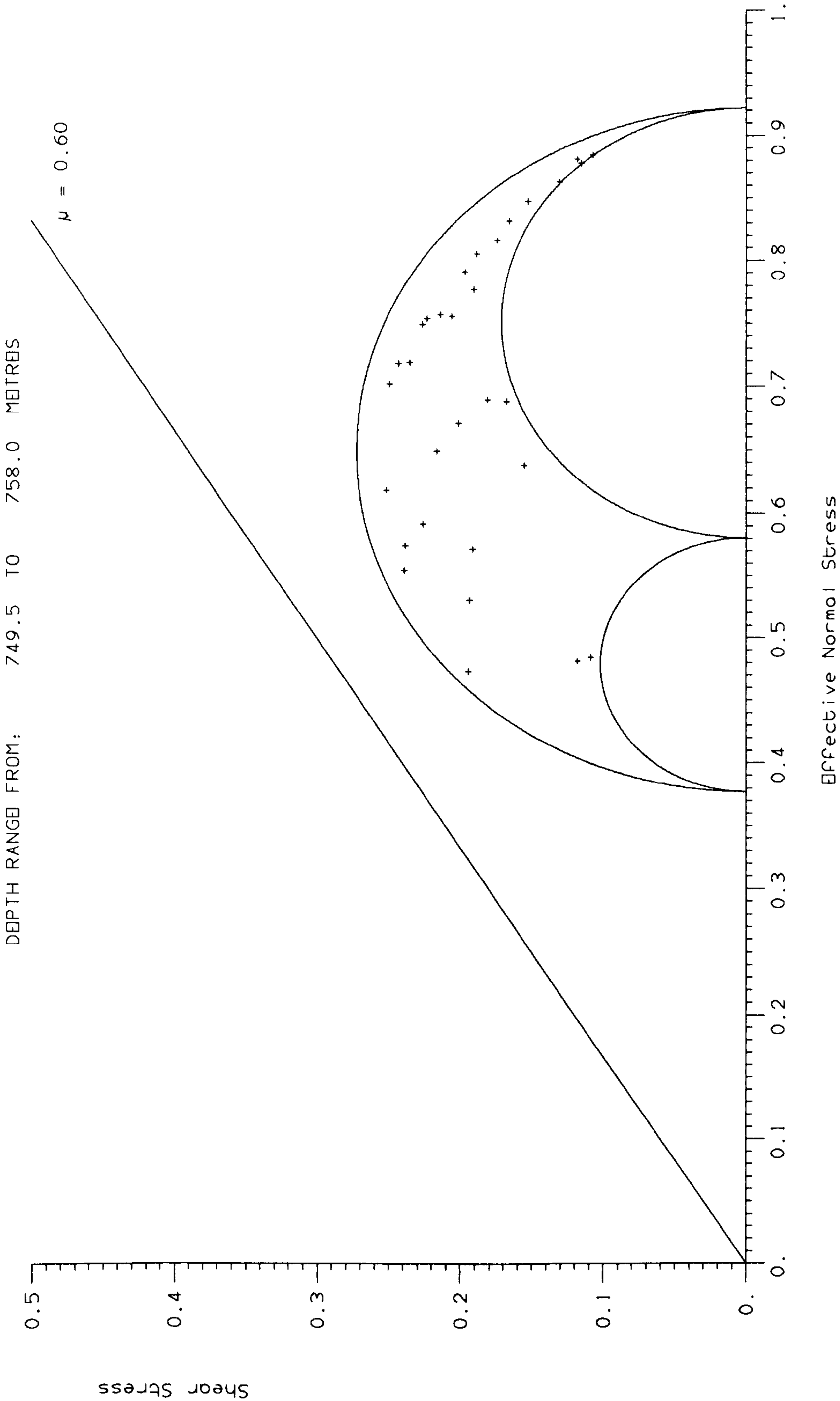




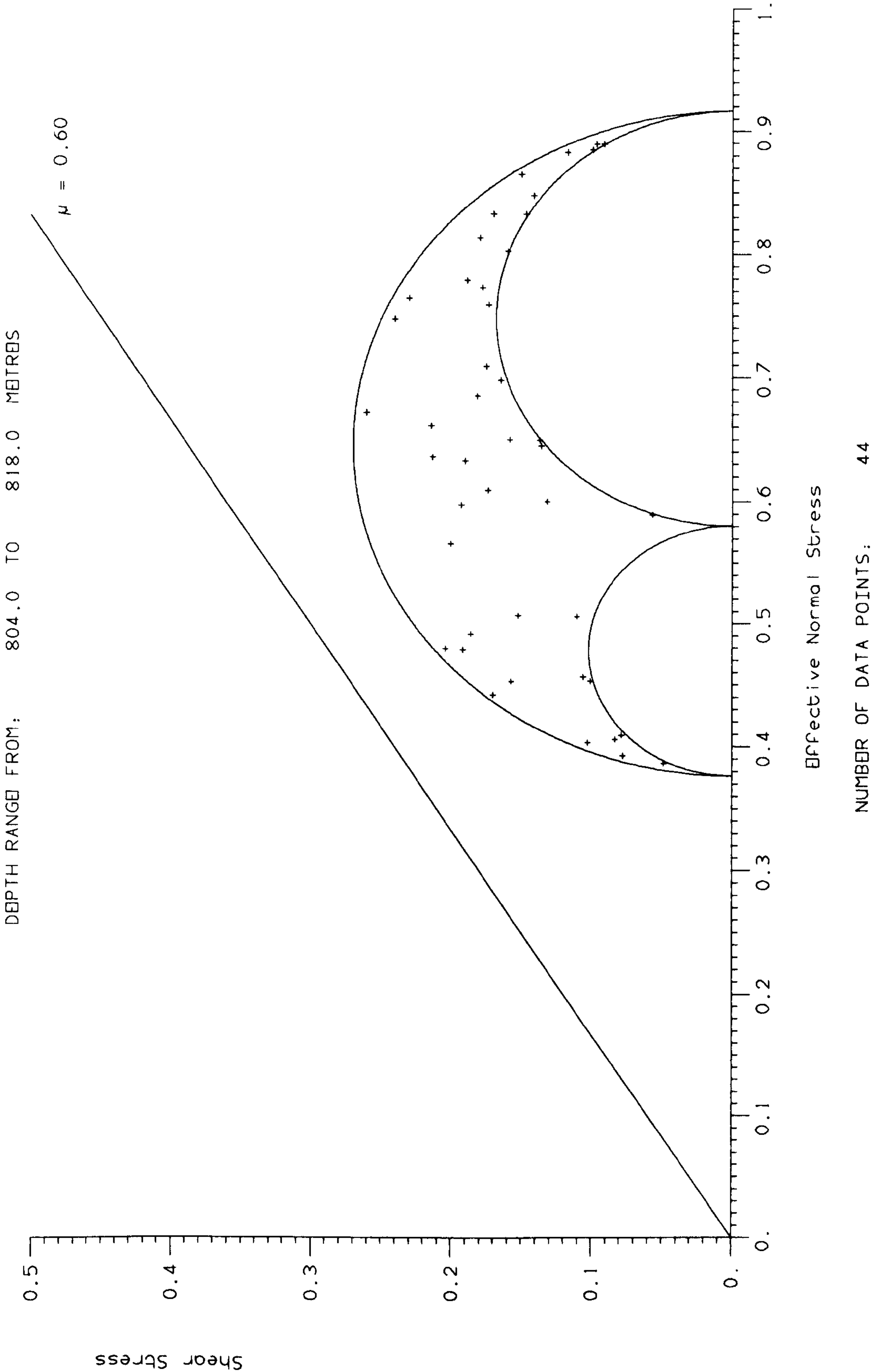




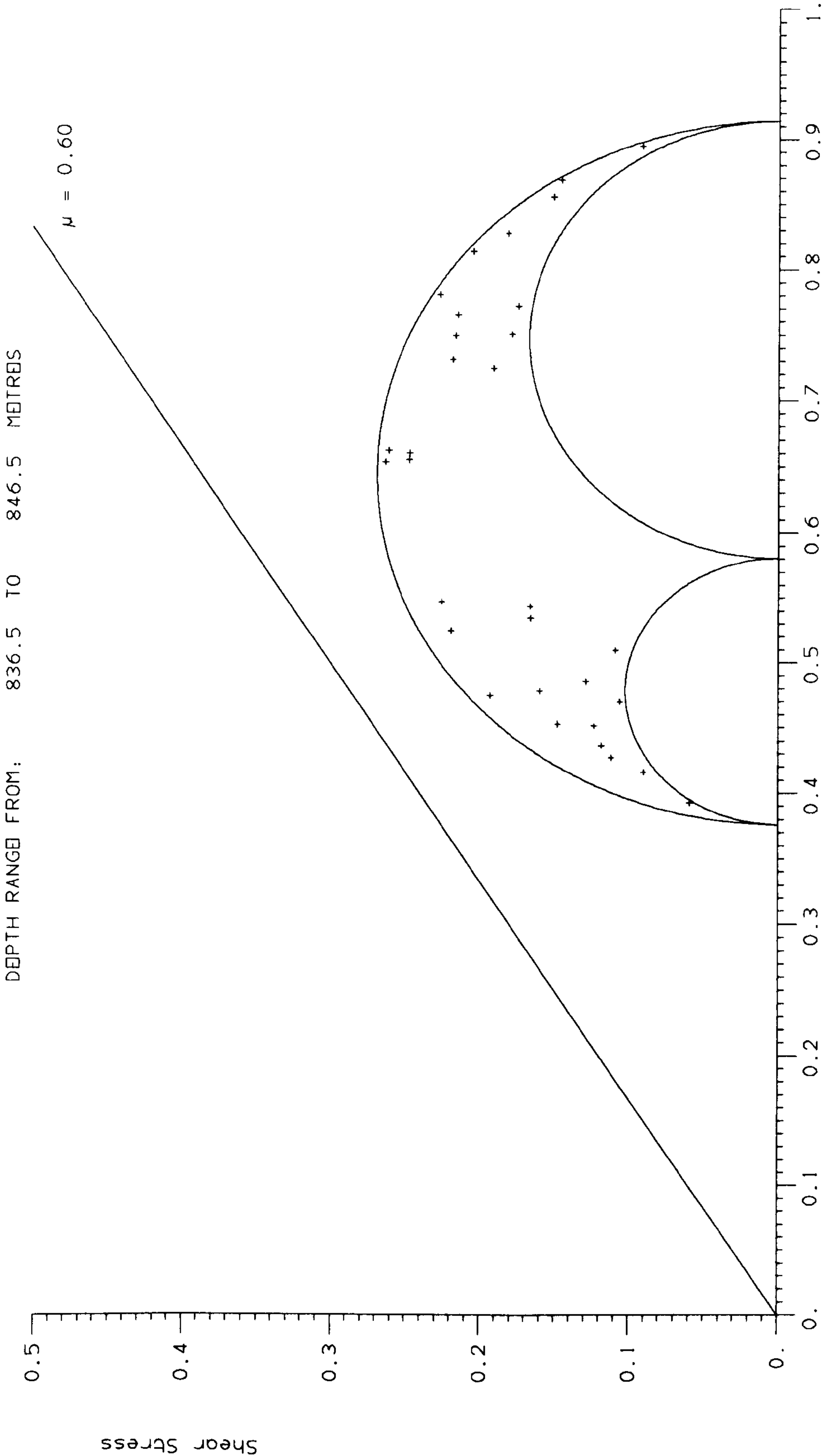




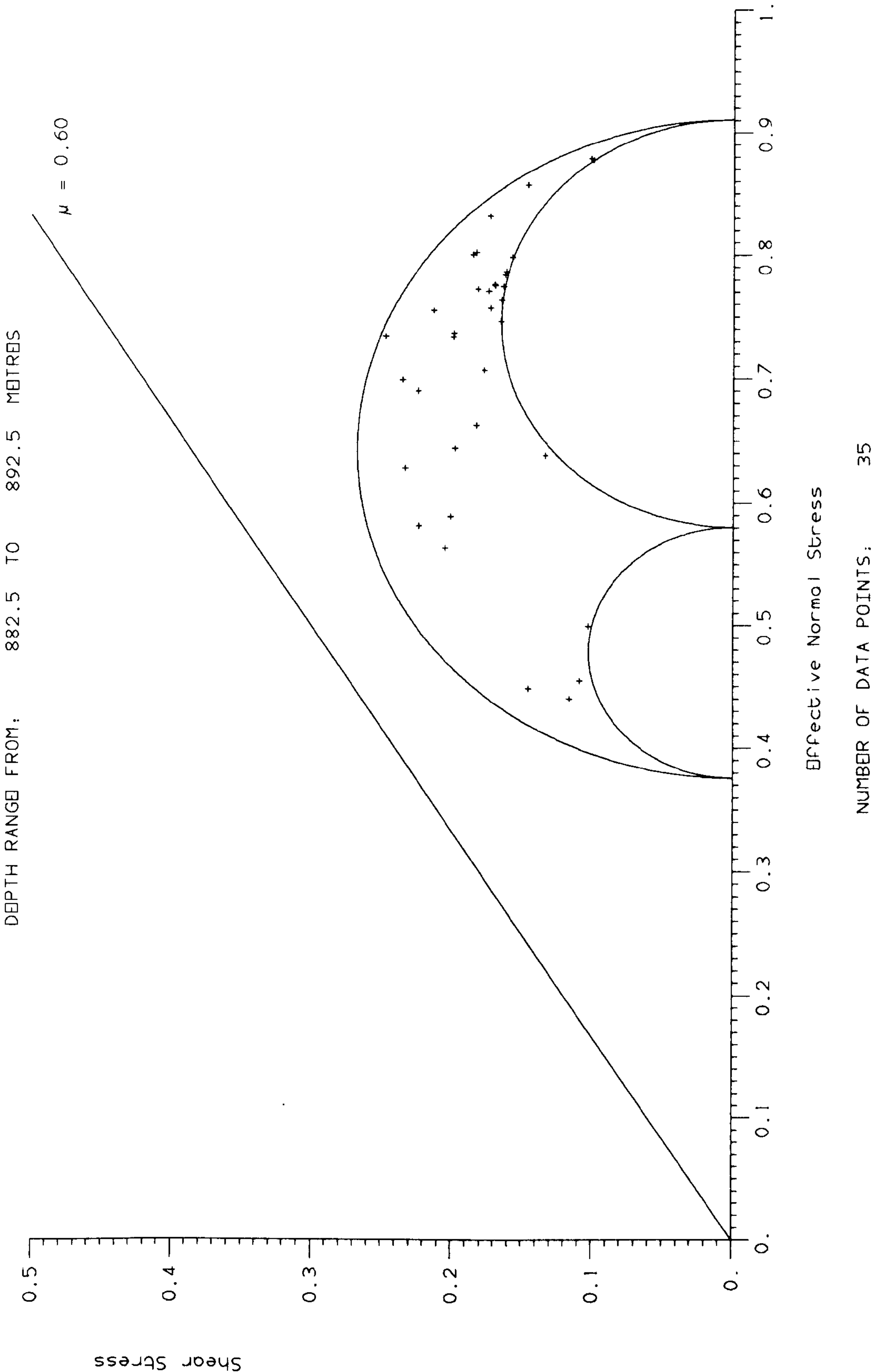




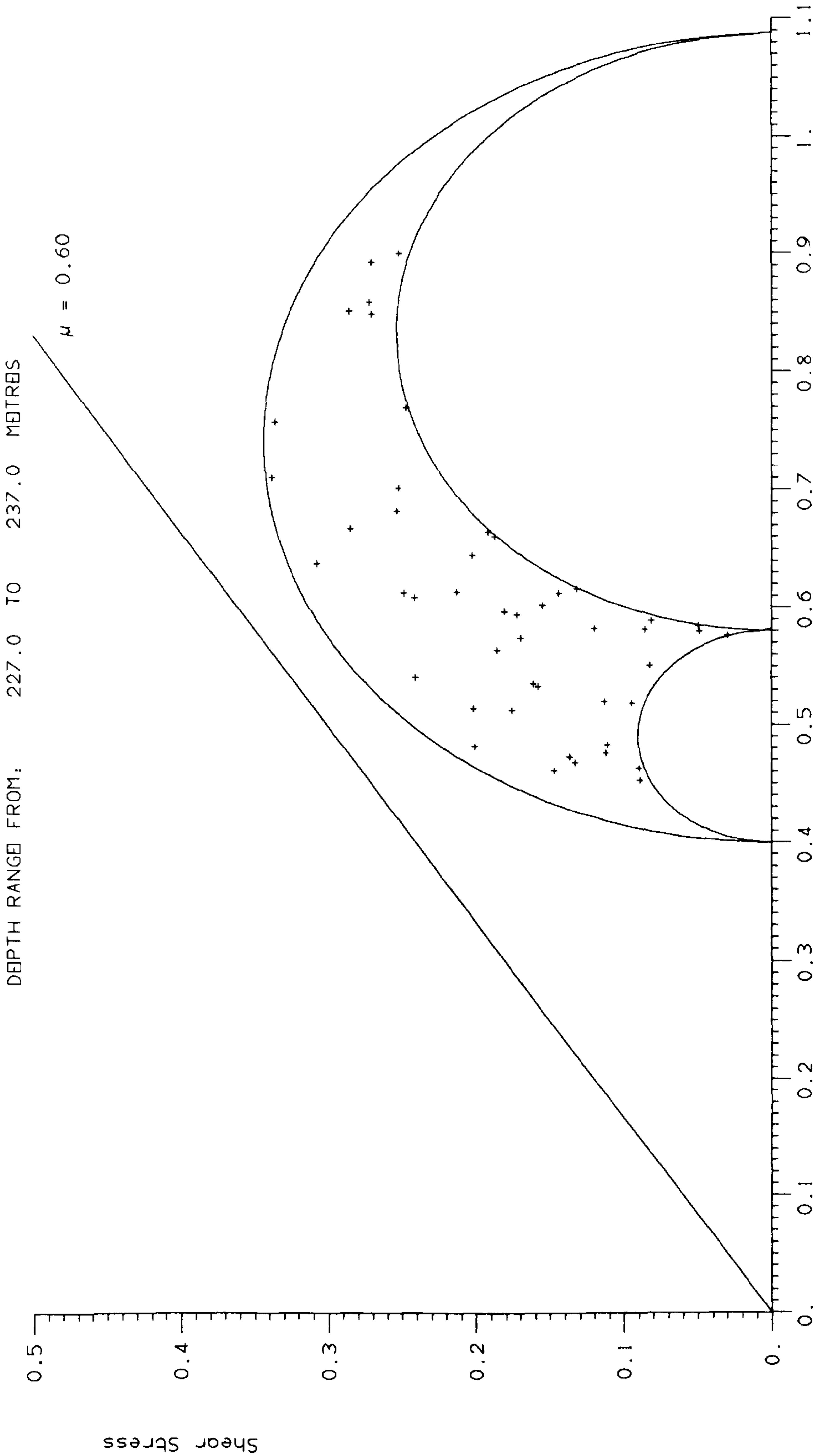








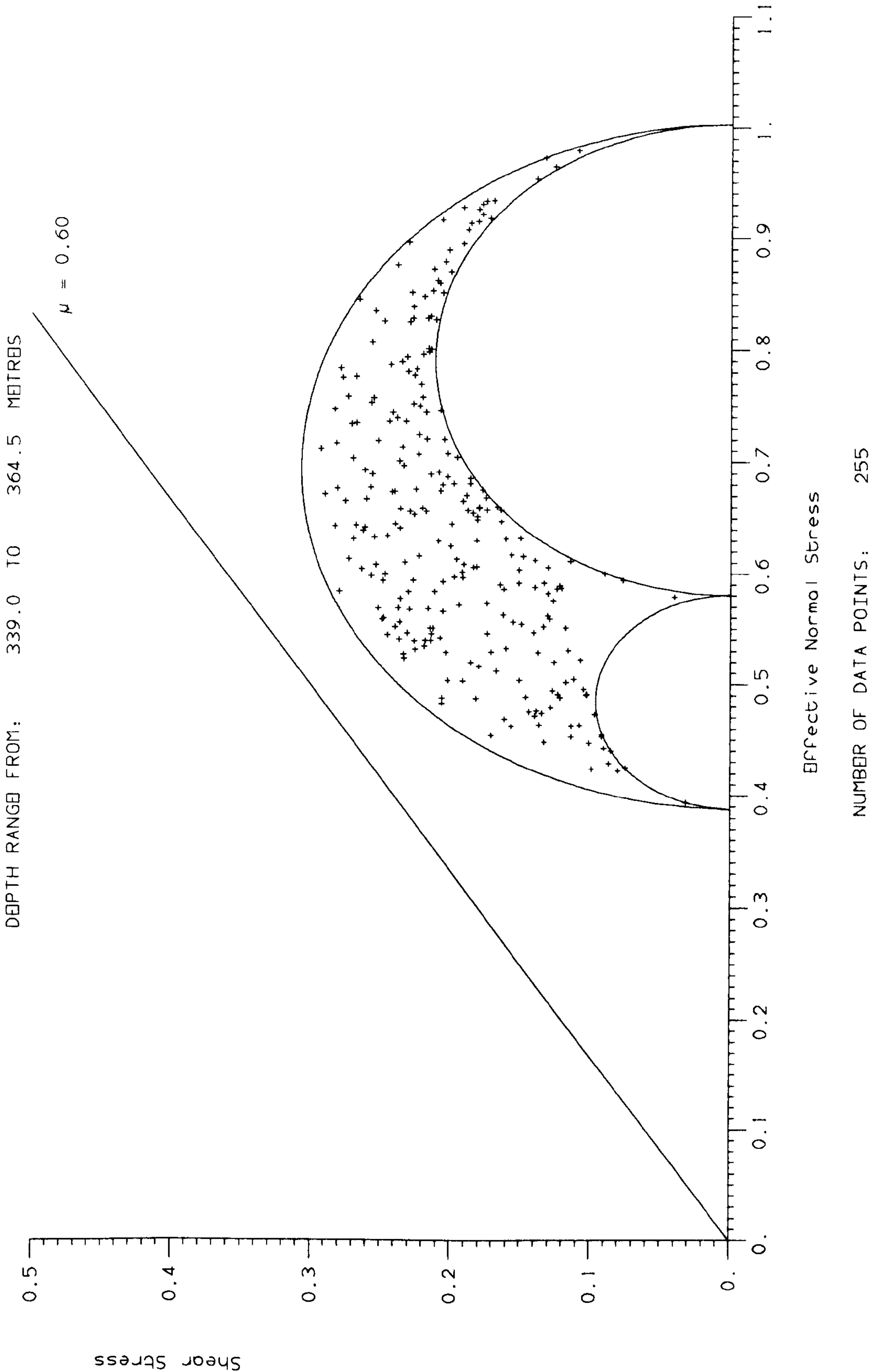




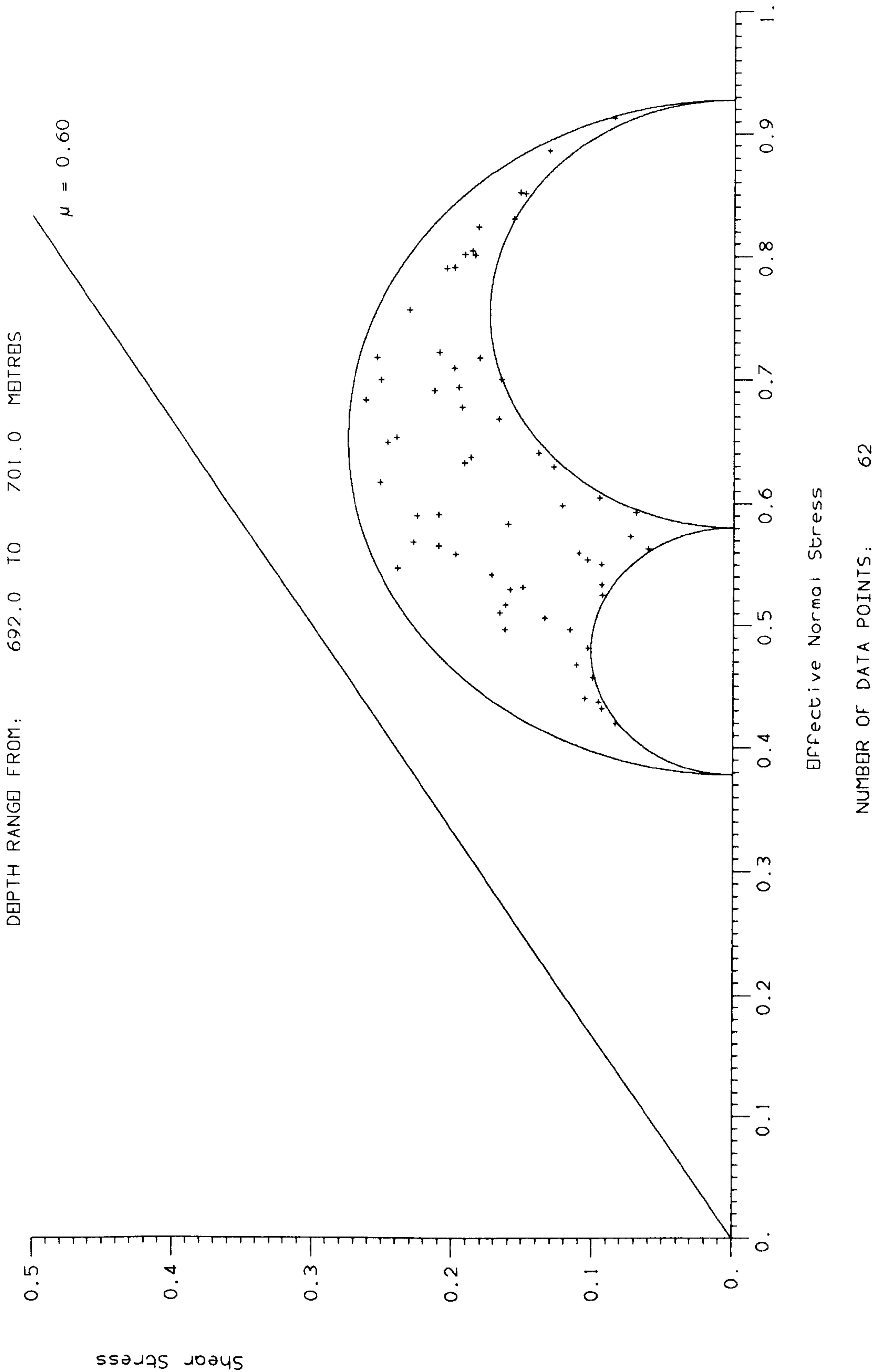
Effective Normal Stress

NUMBER OF DATA POINTS: 47

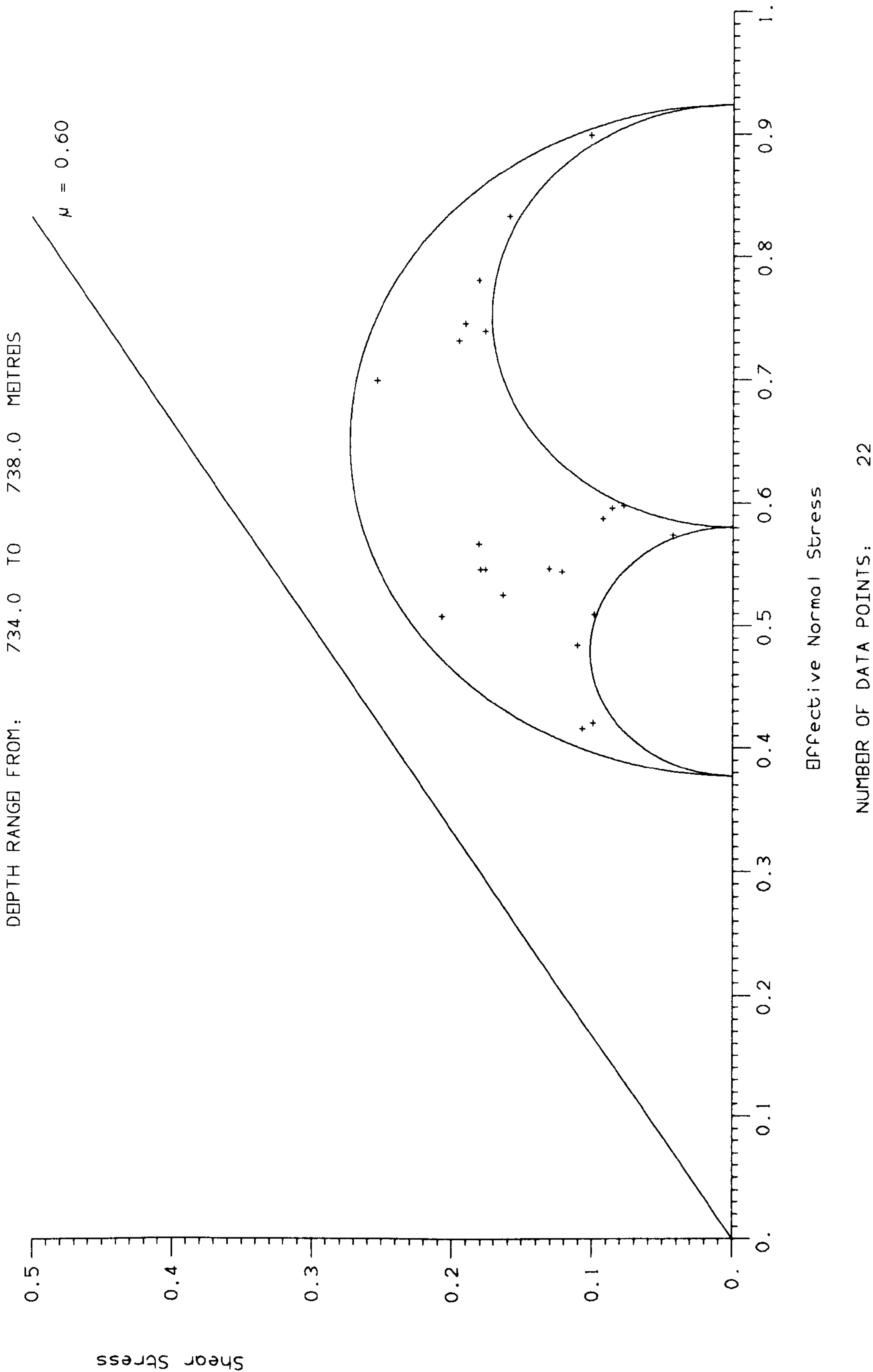




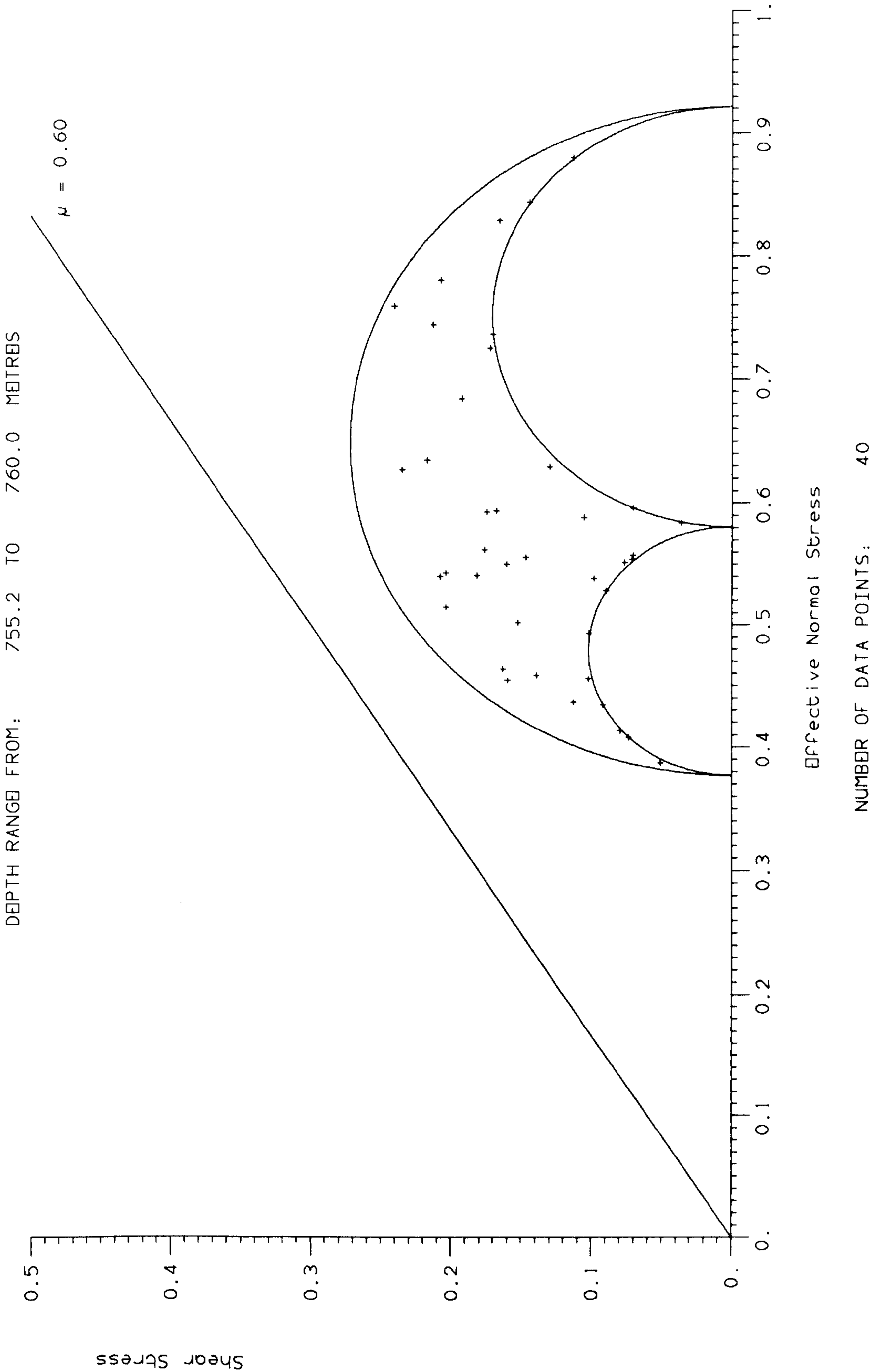




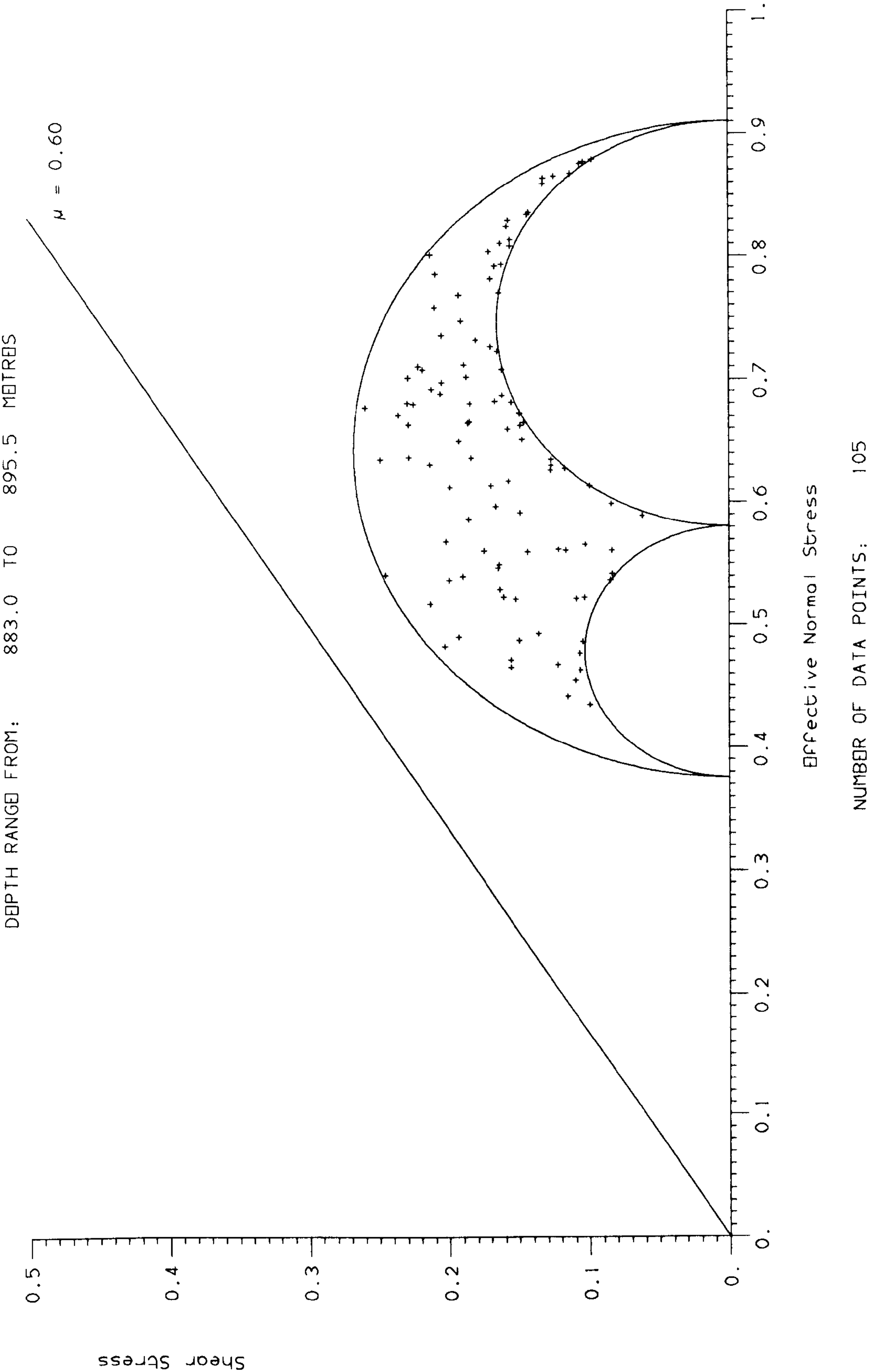




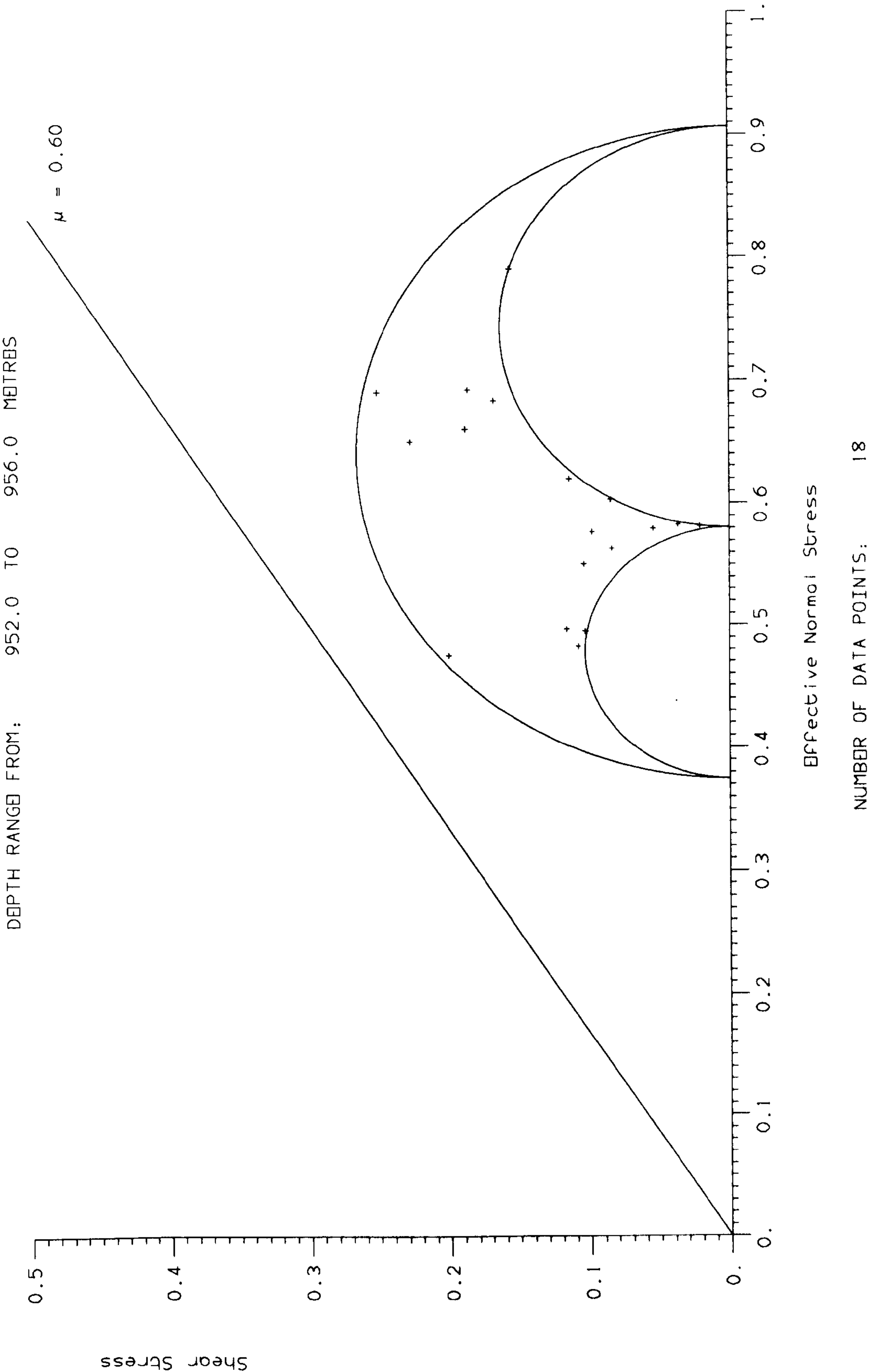




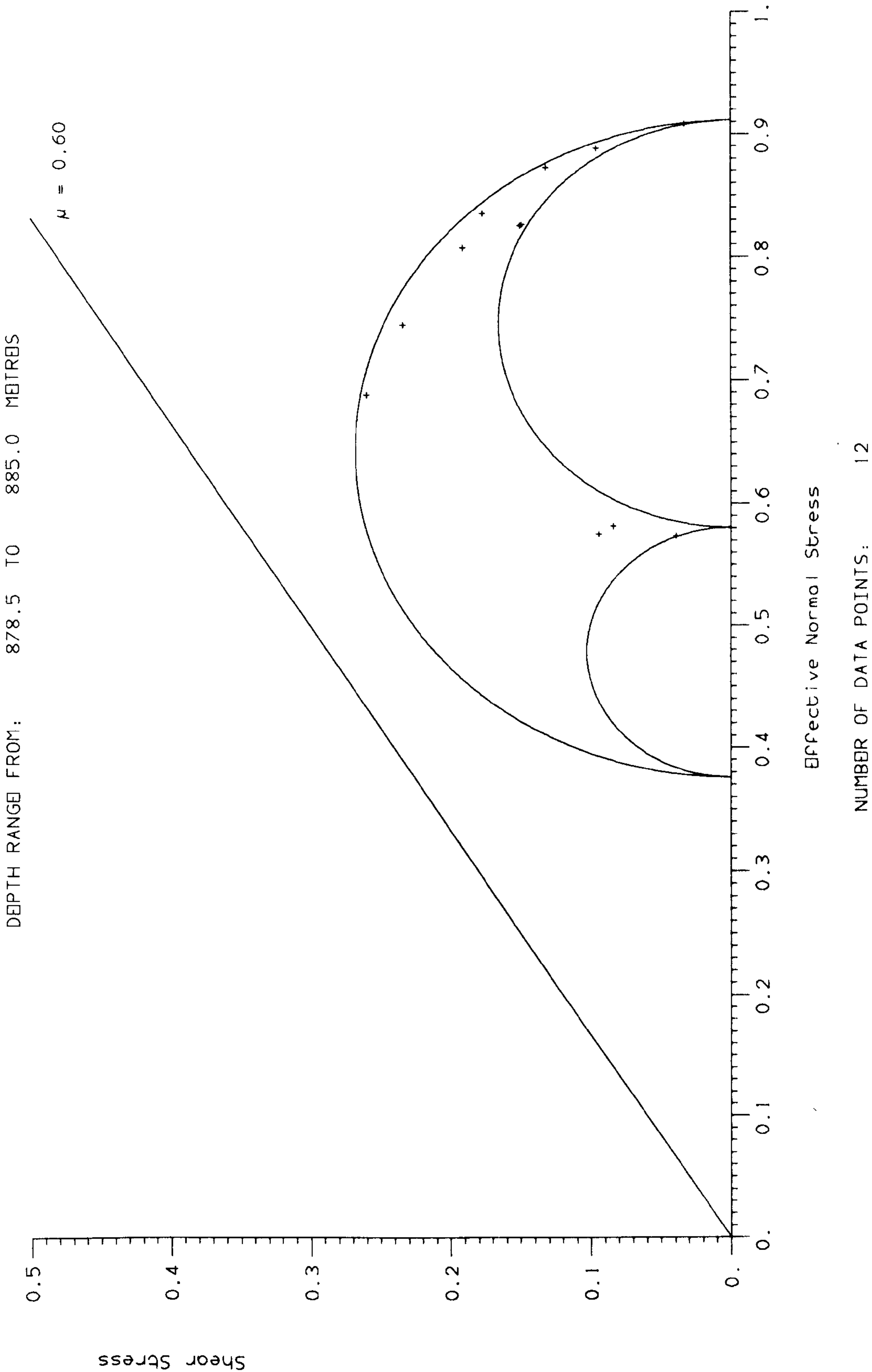




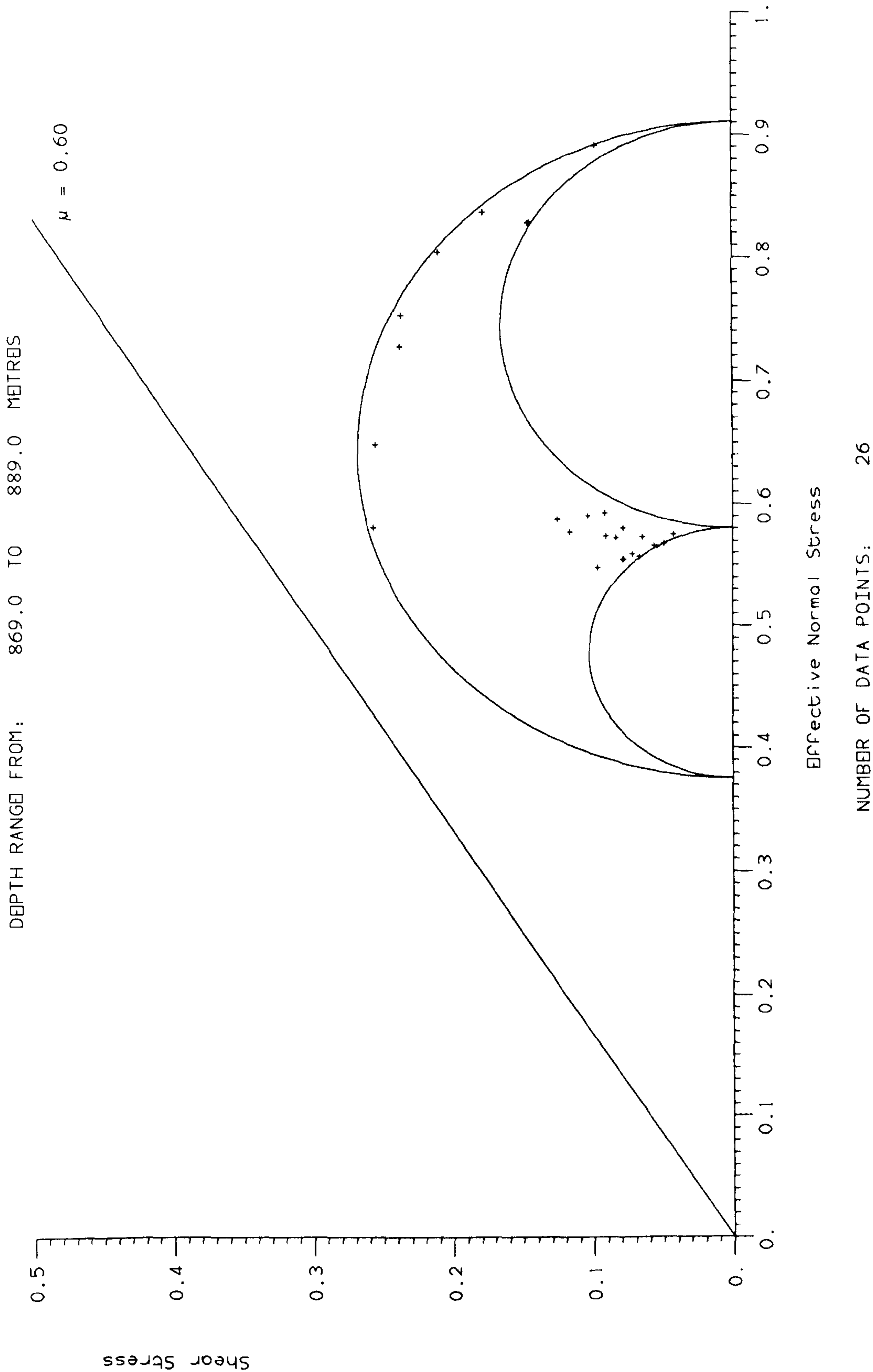




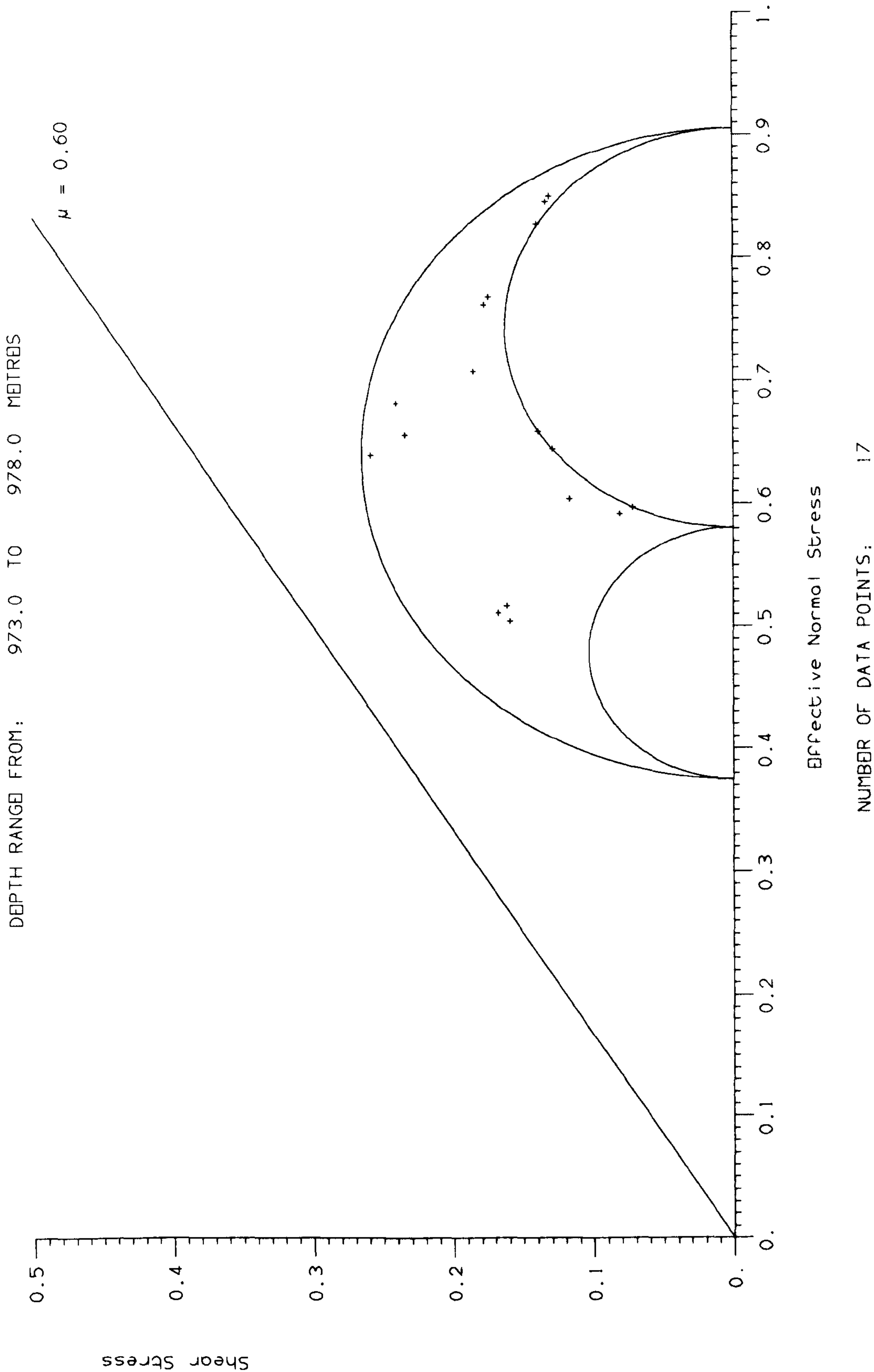




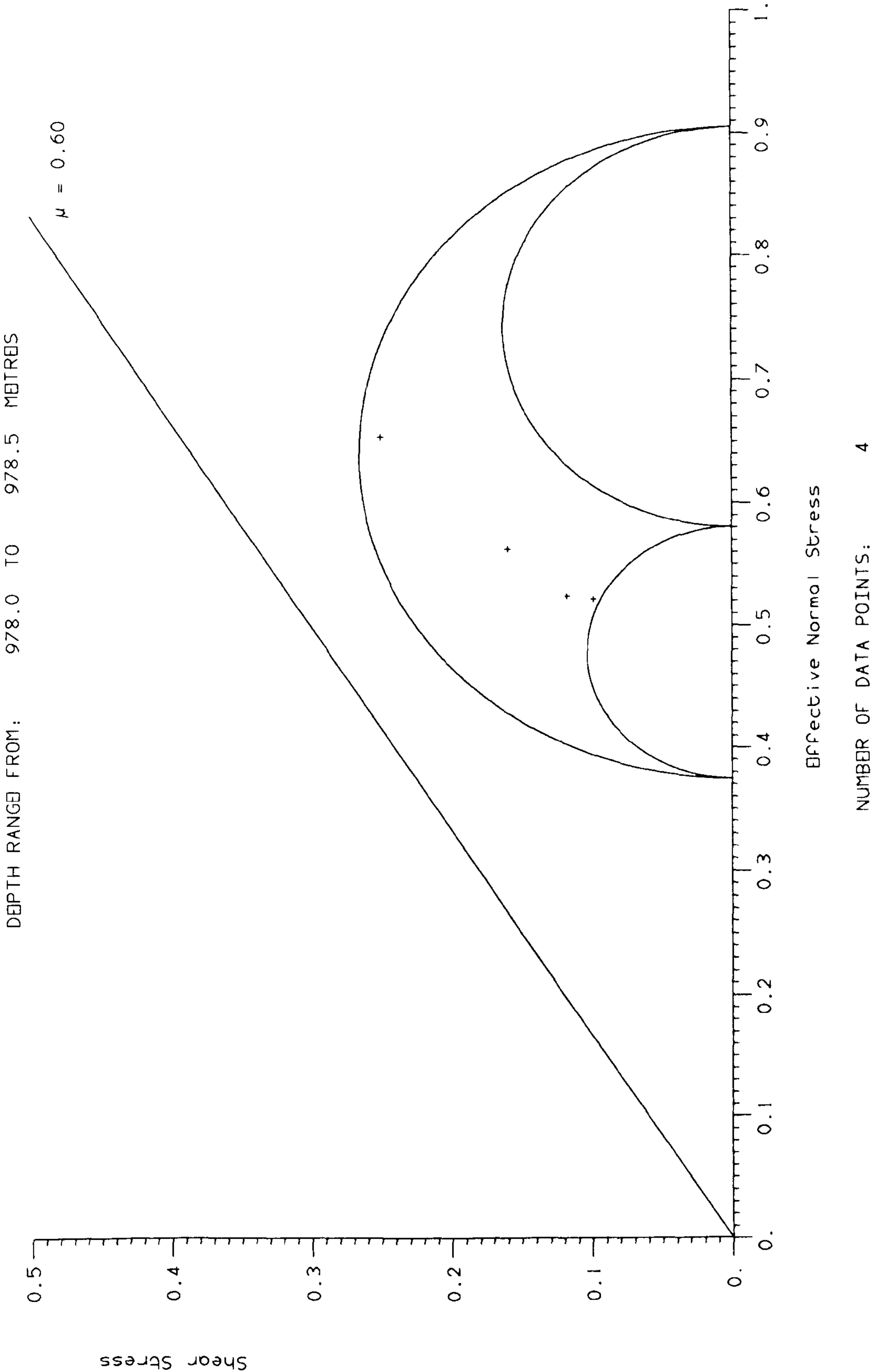




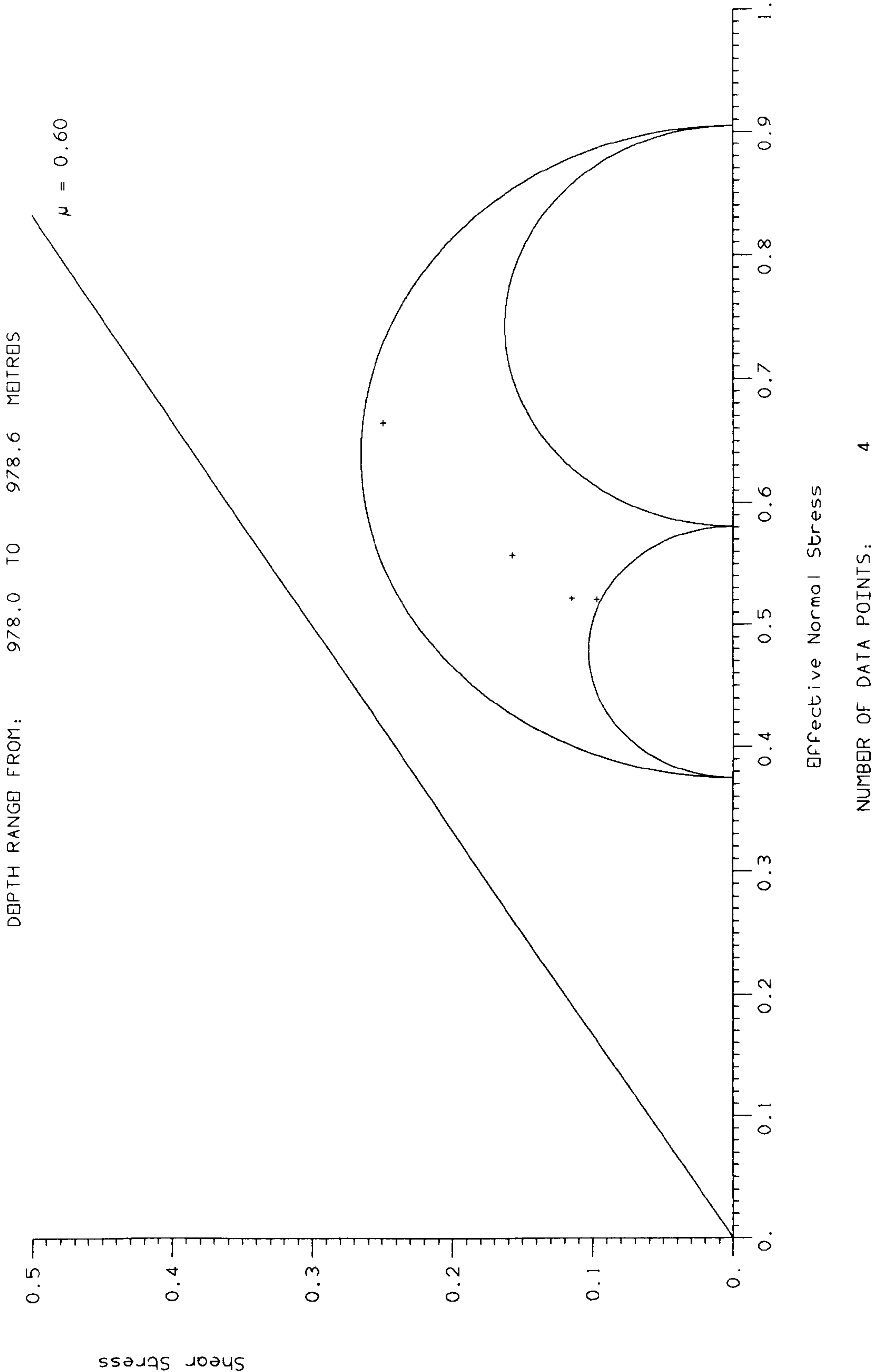




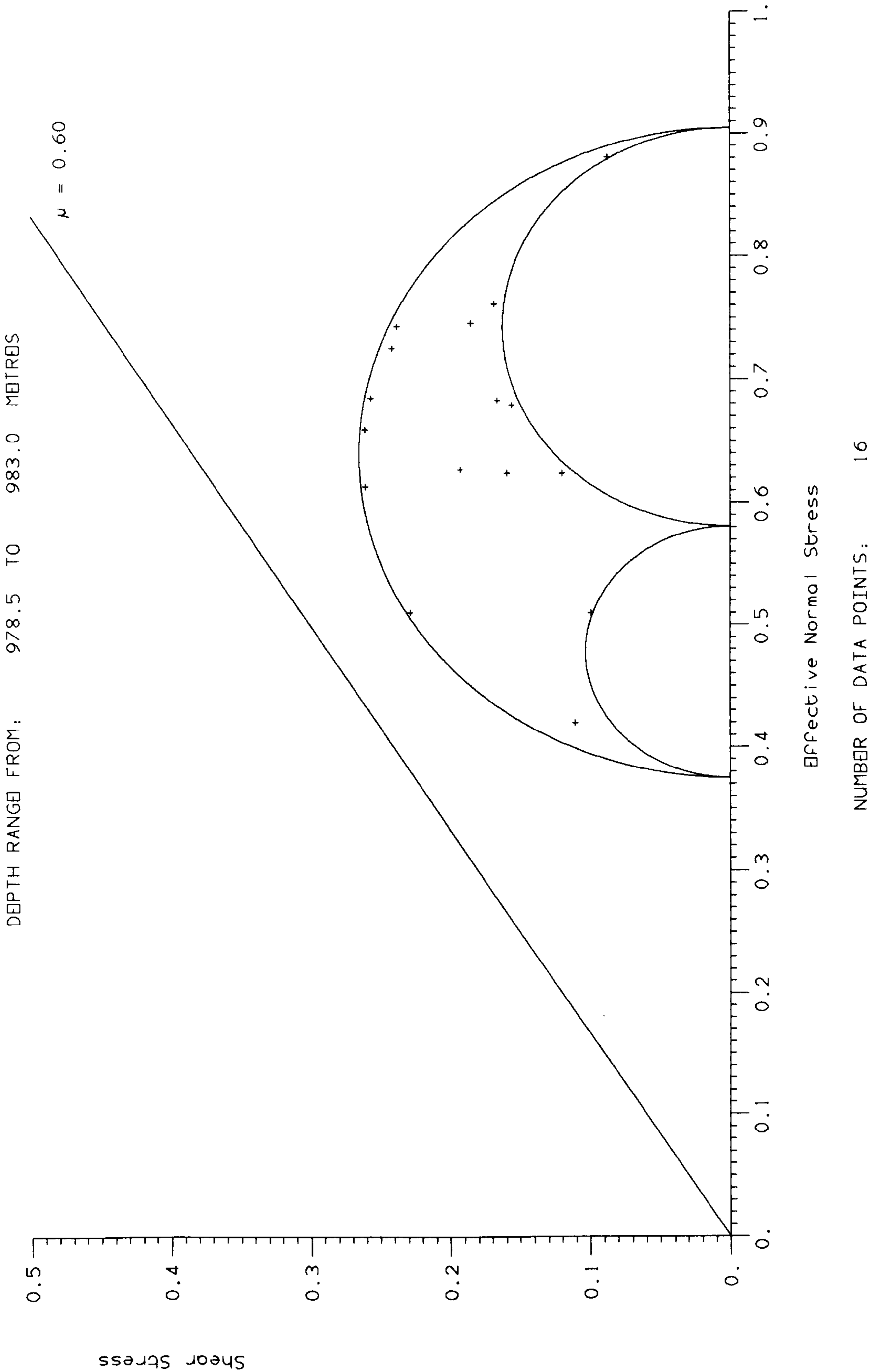




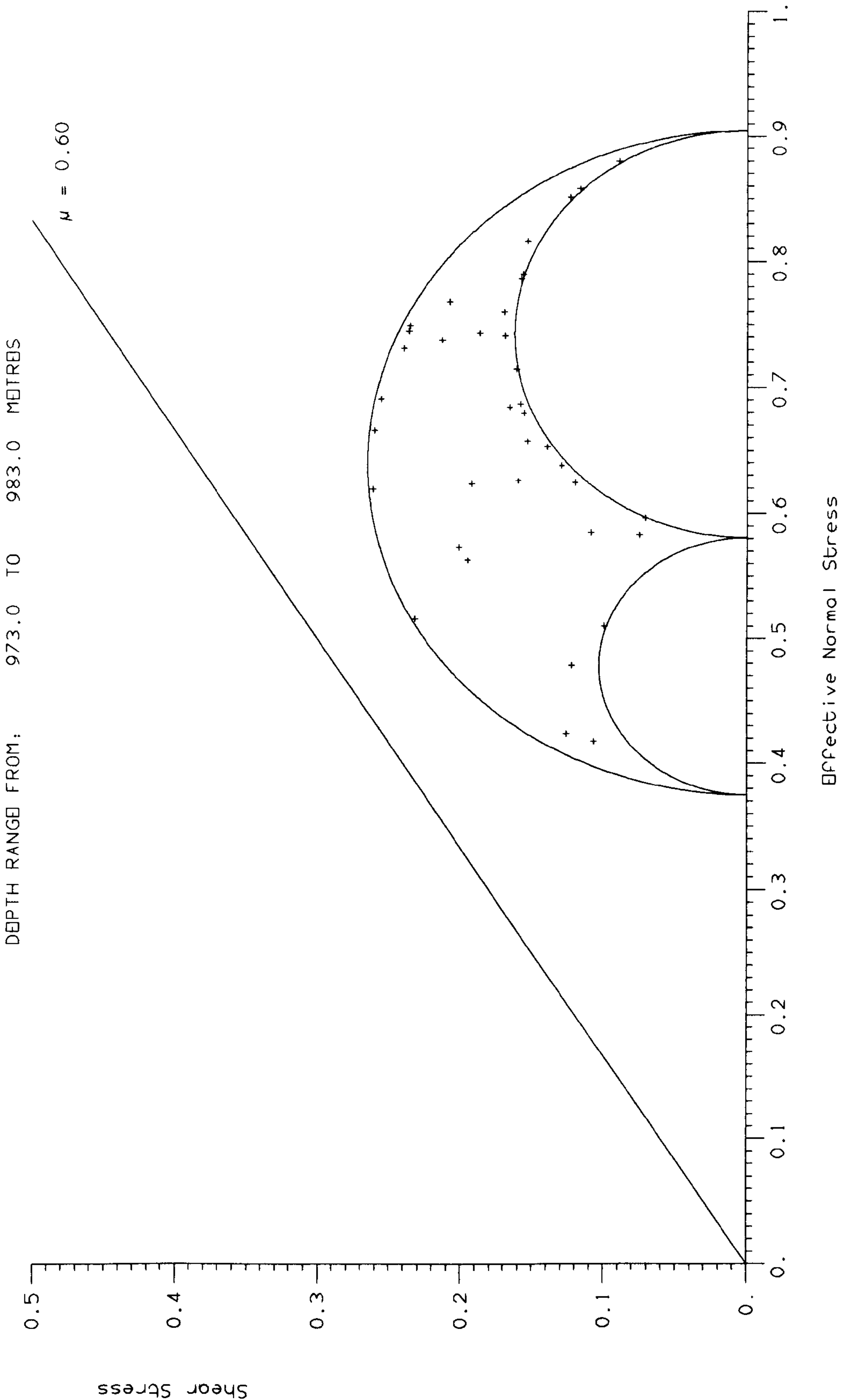




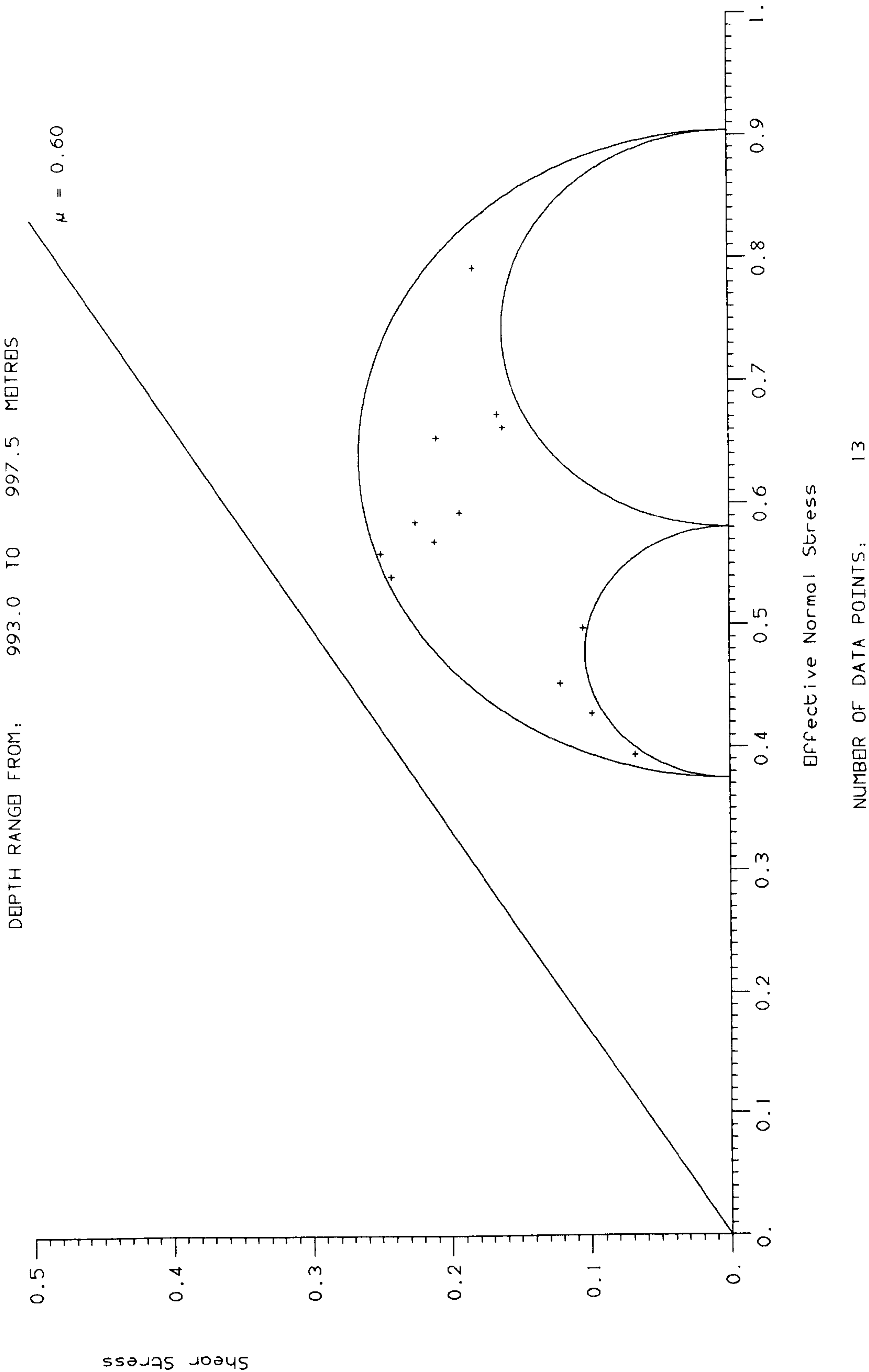




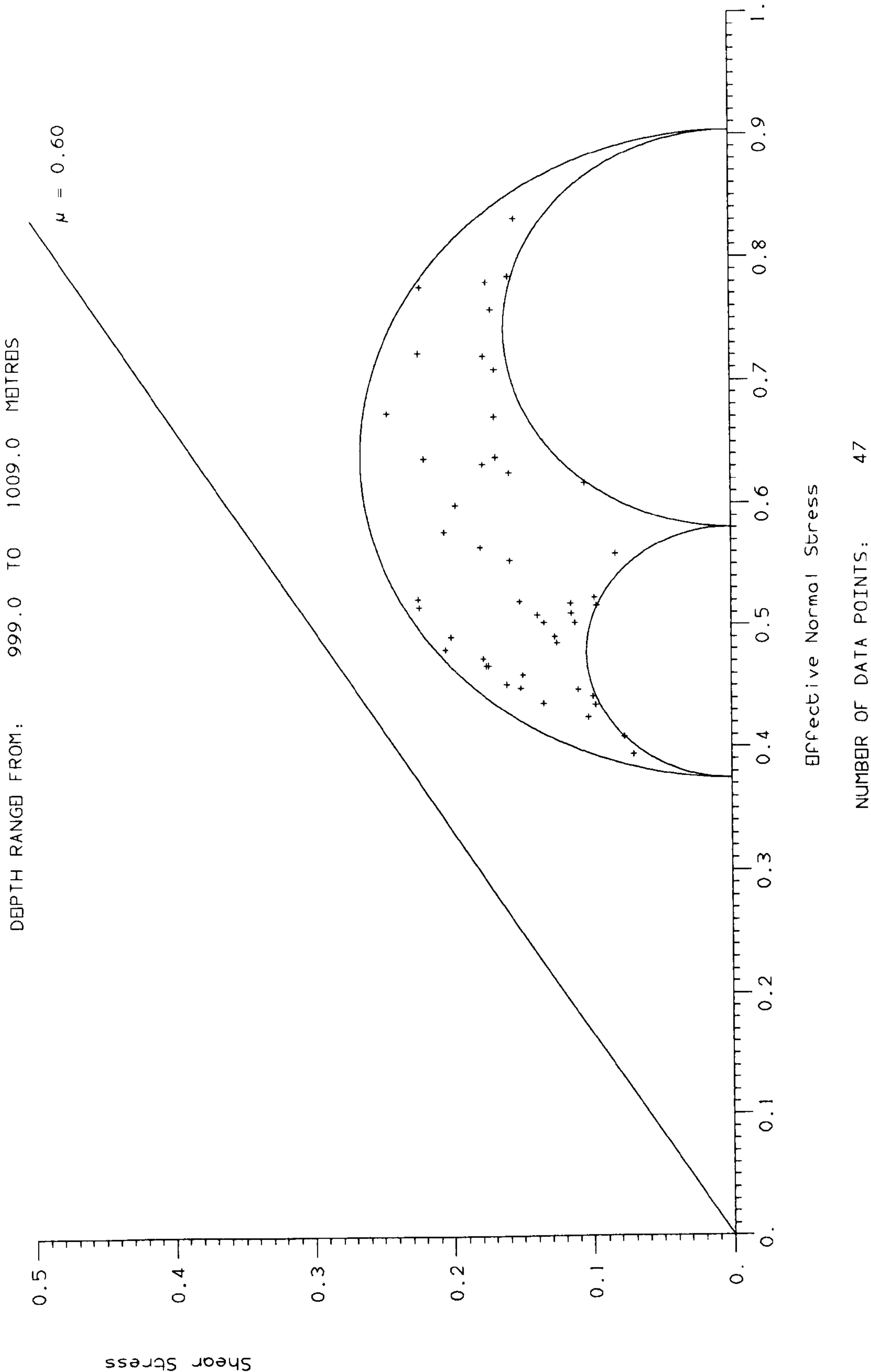




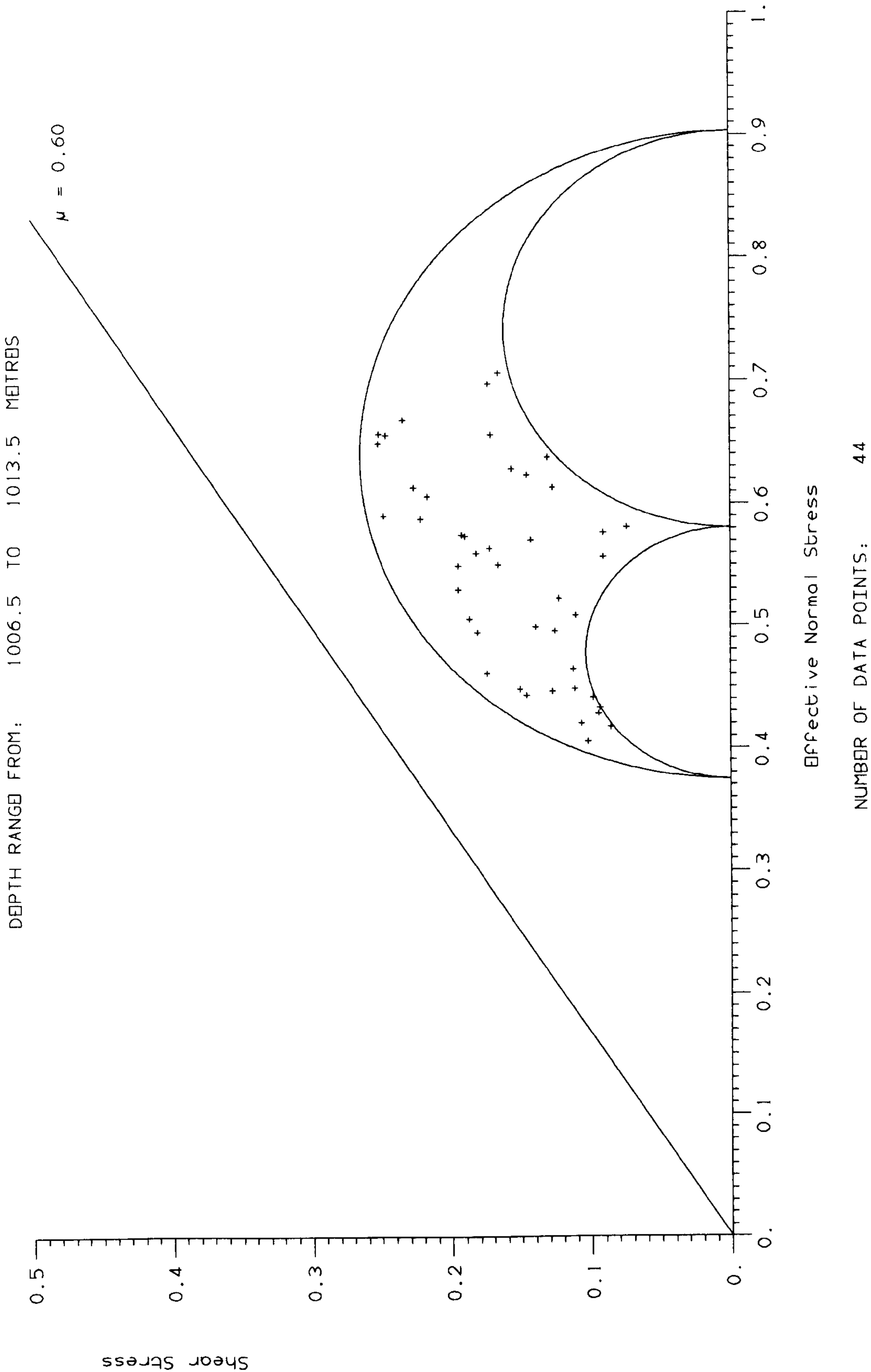




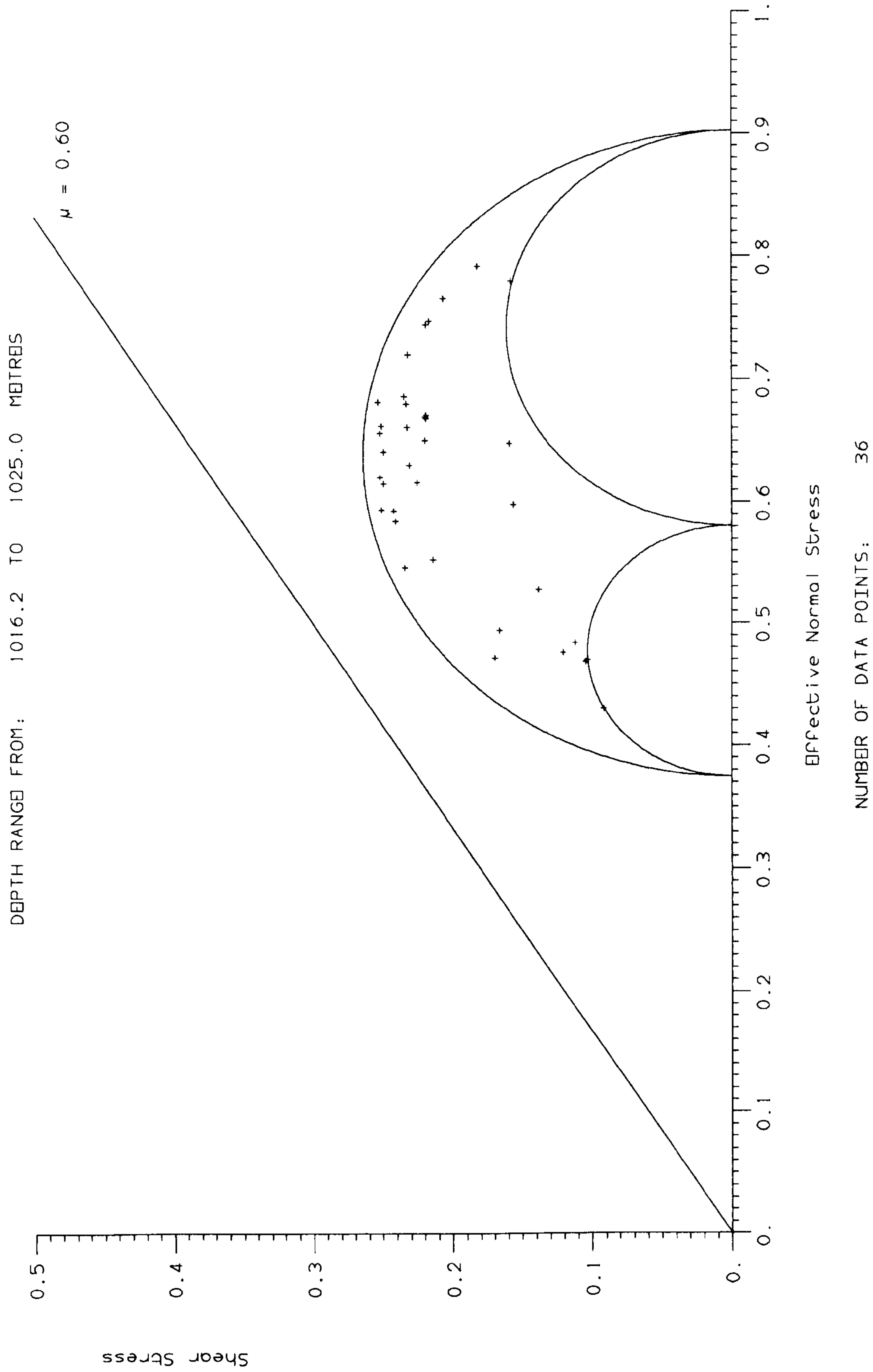




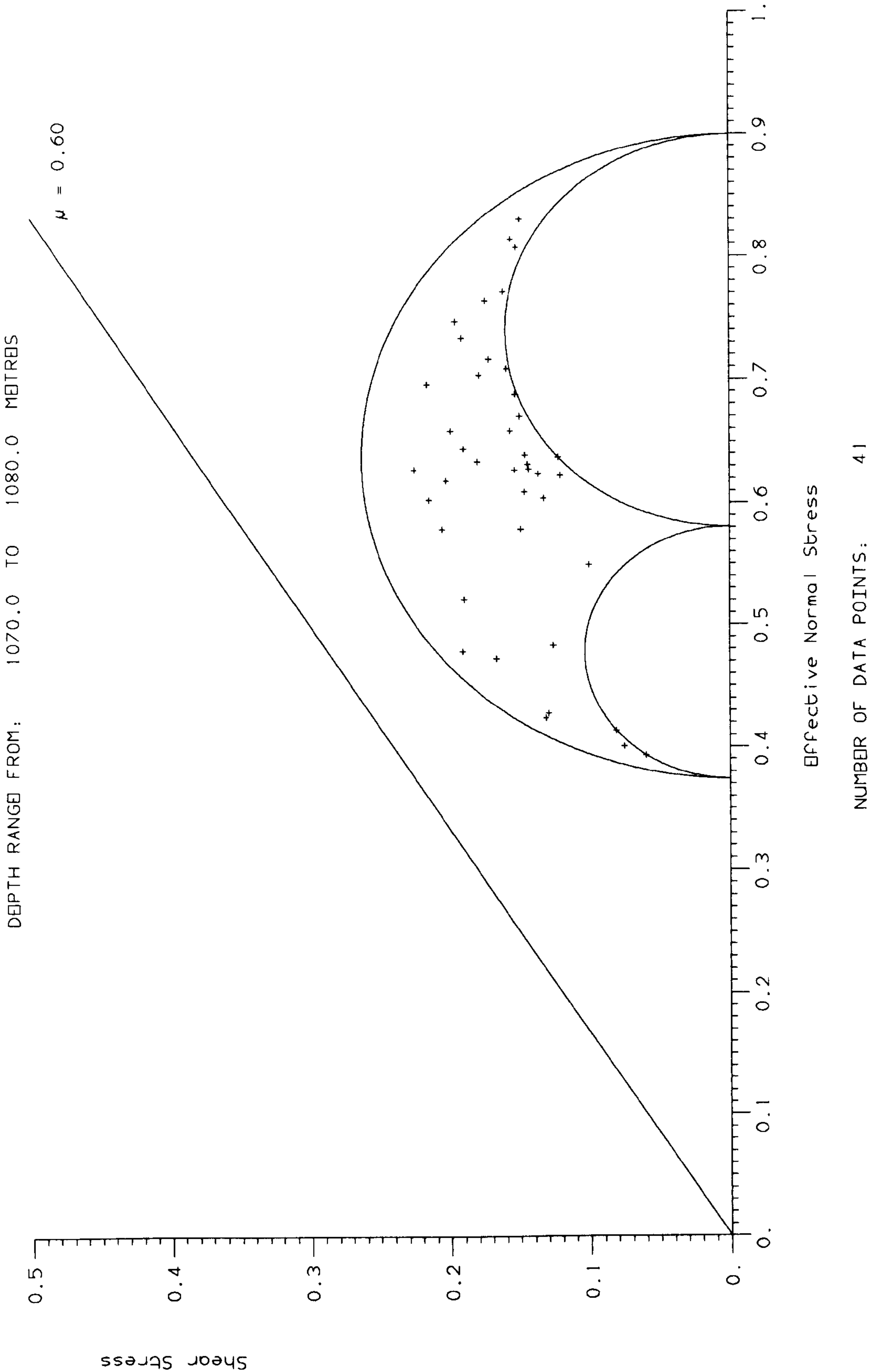




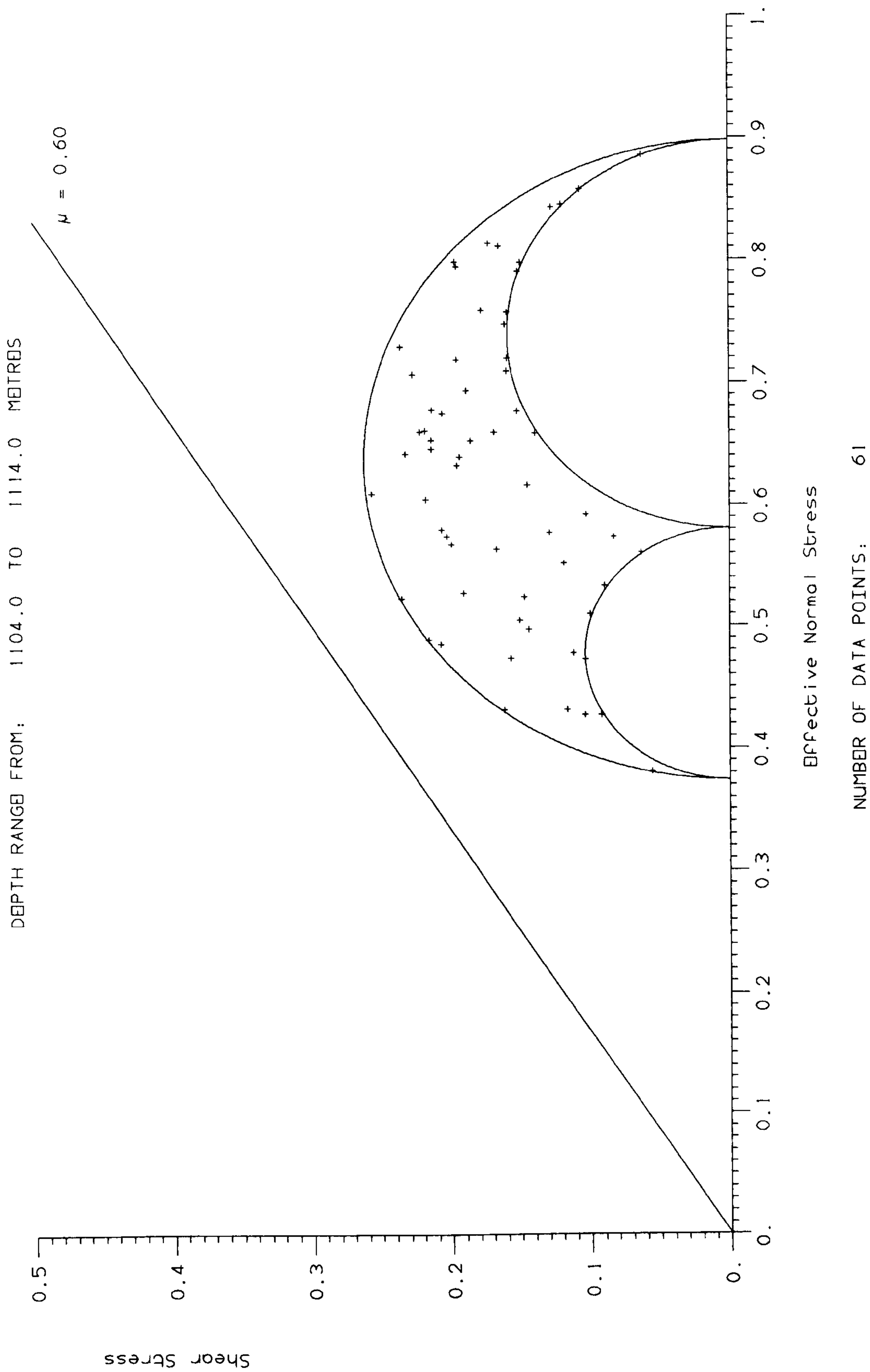




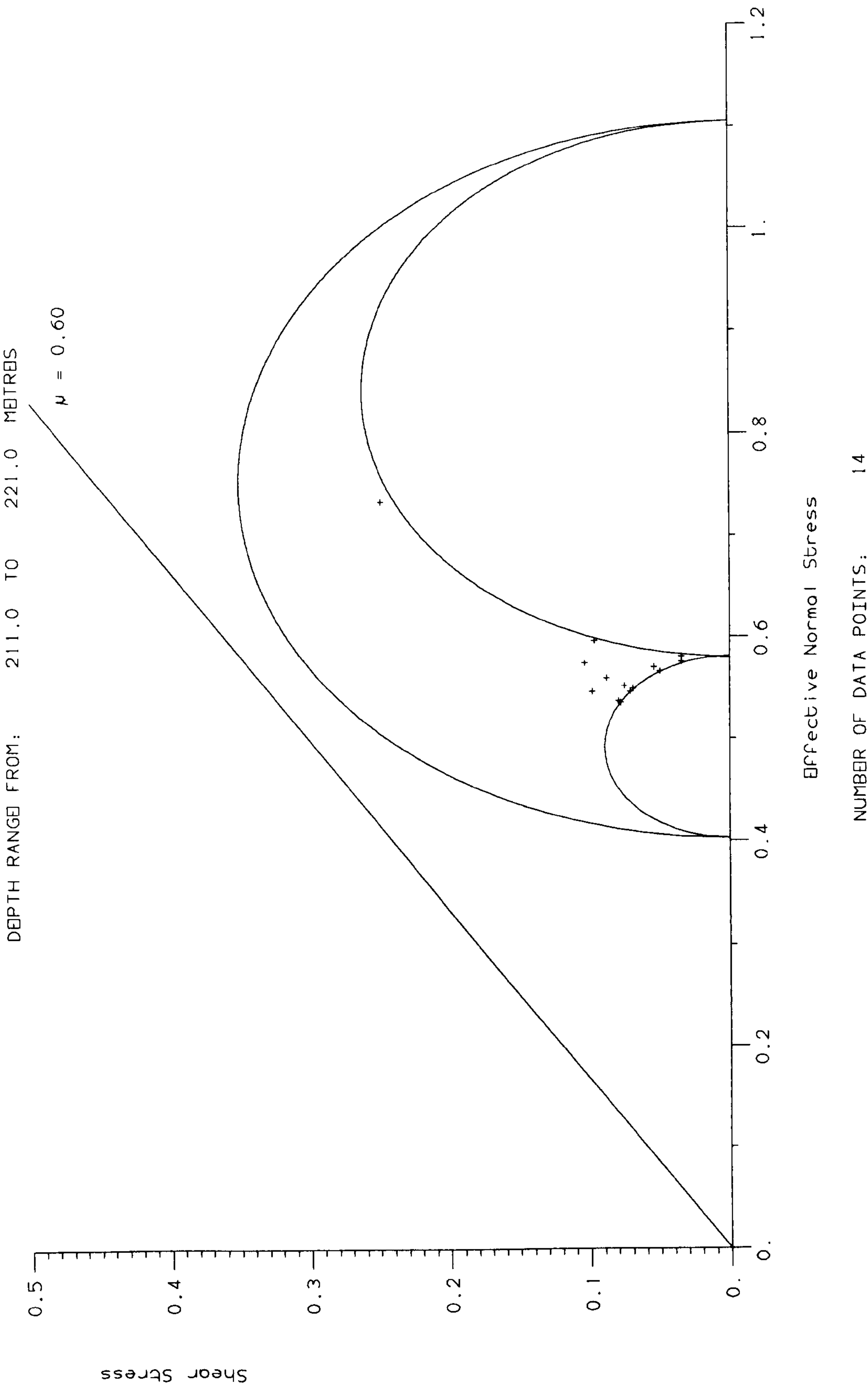




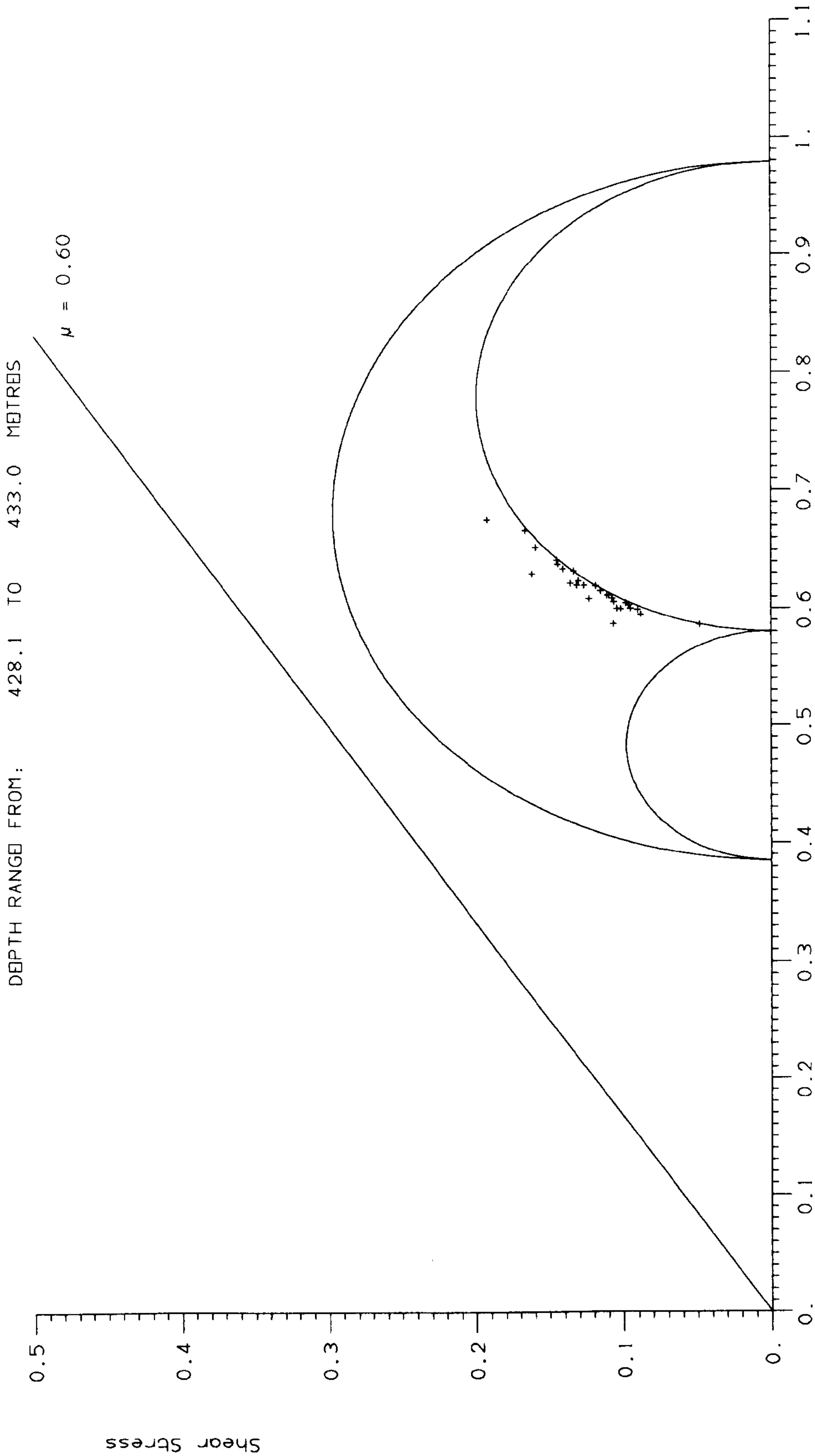




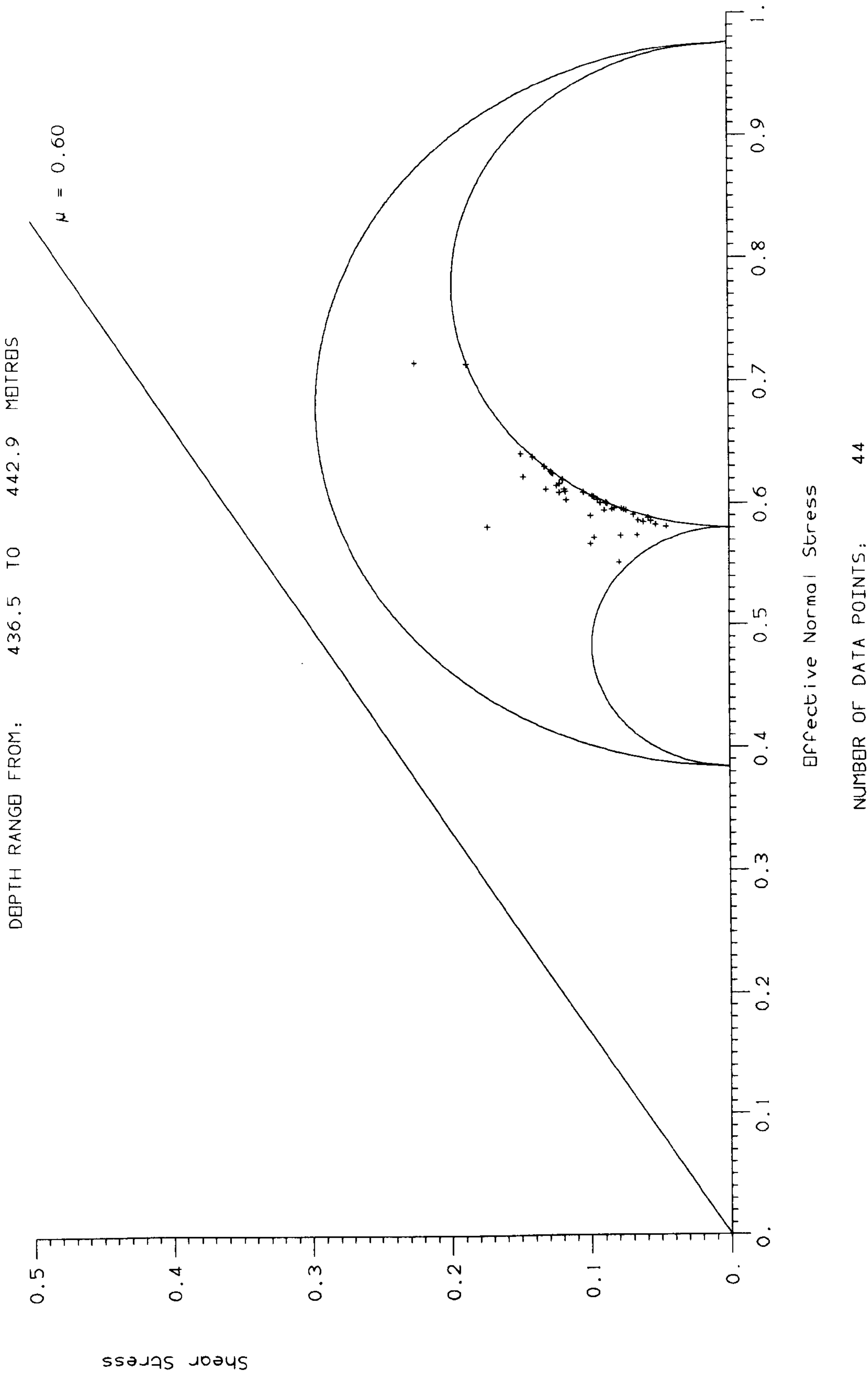




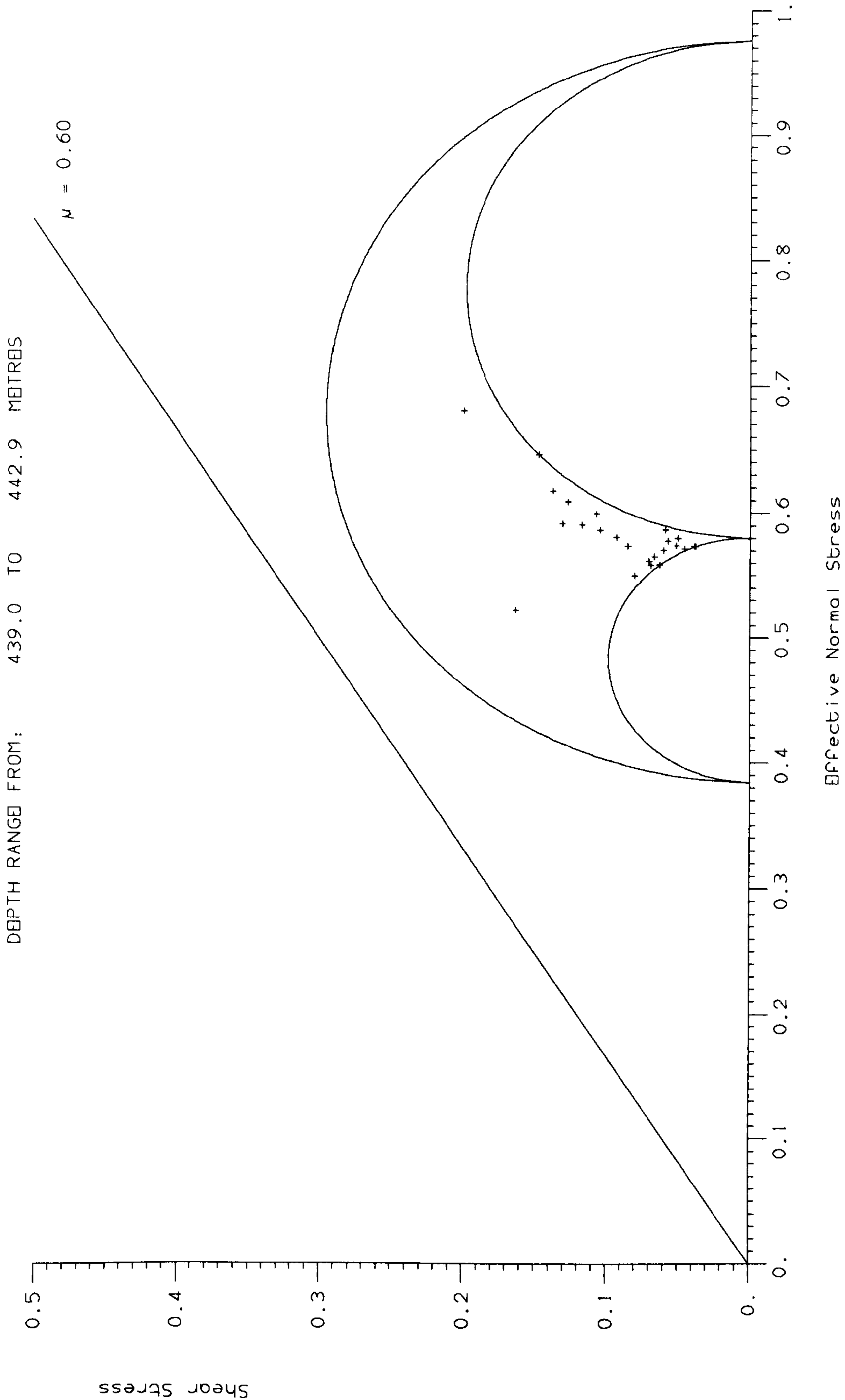




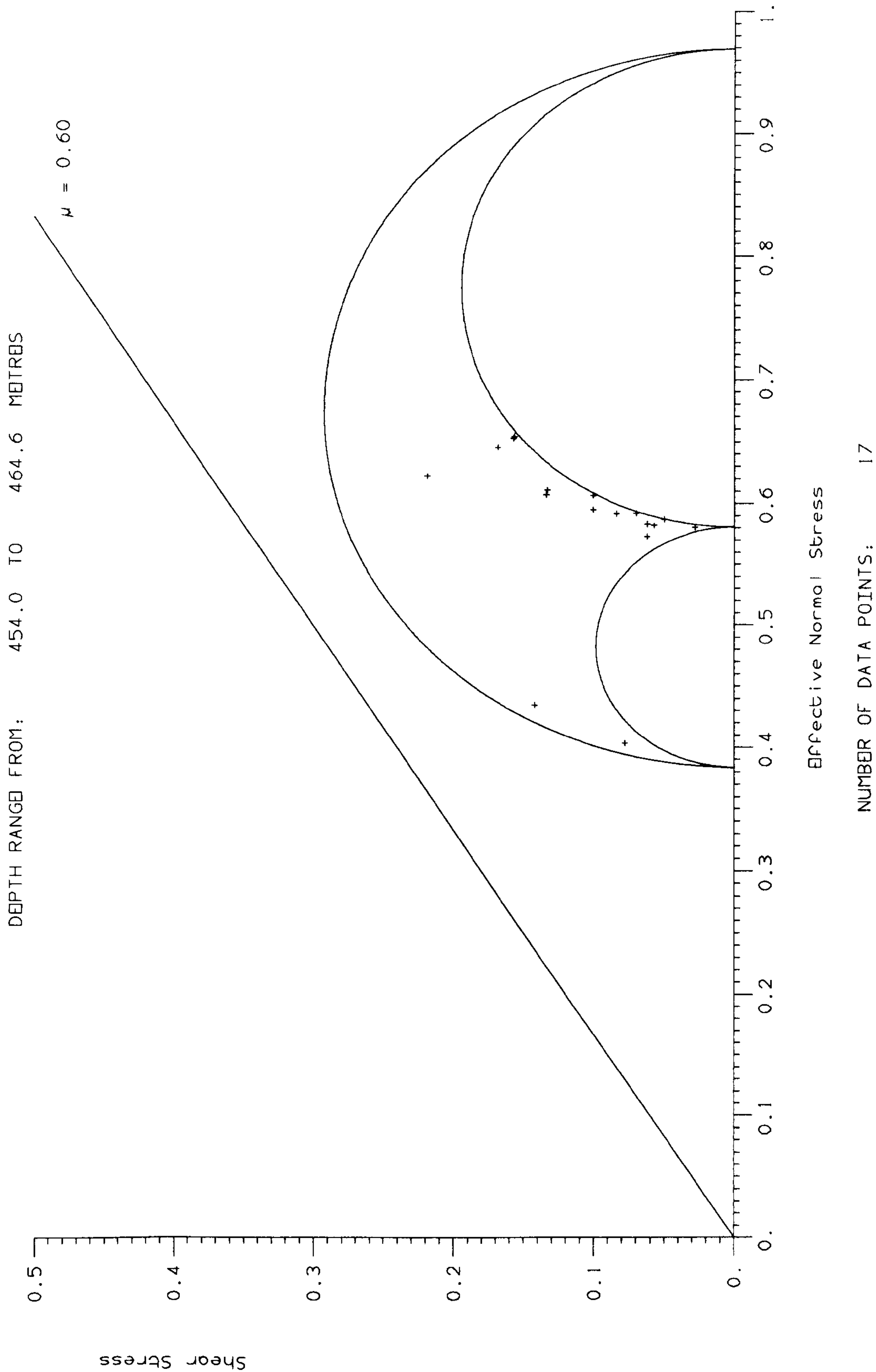




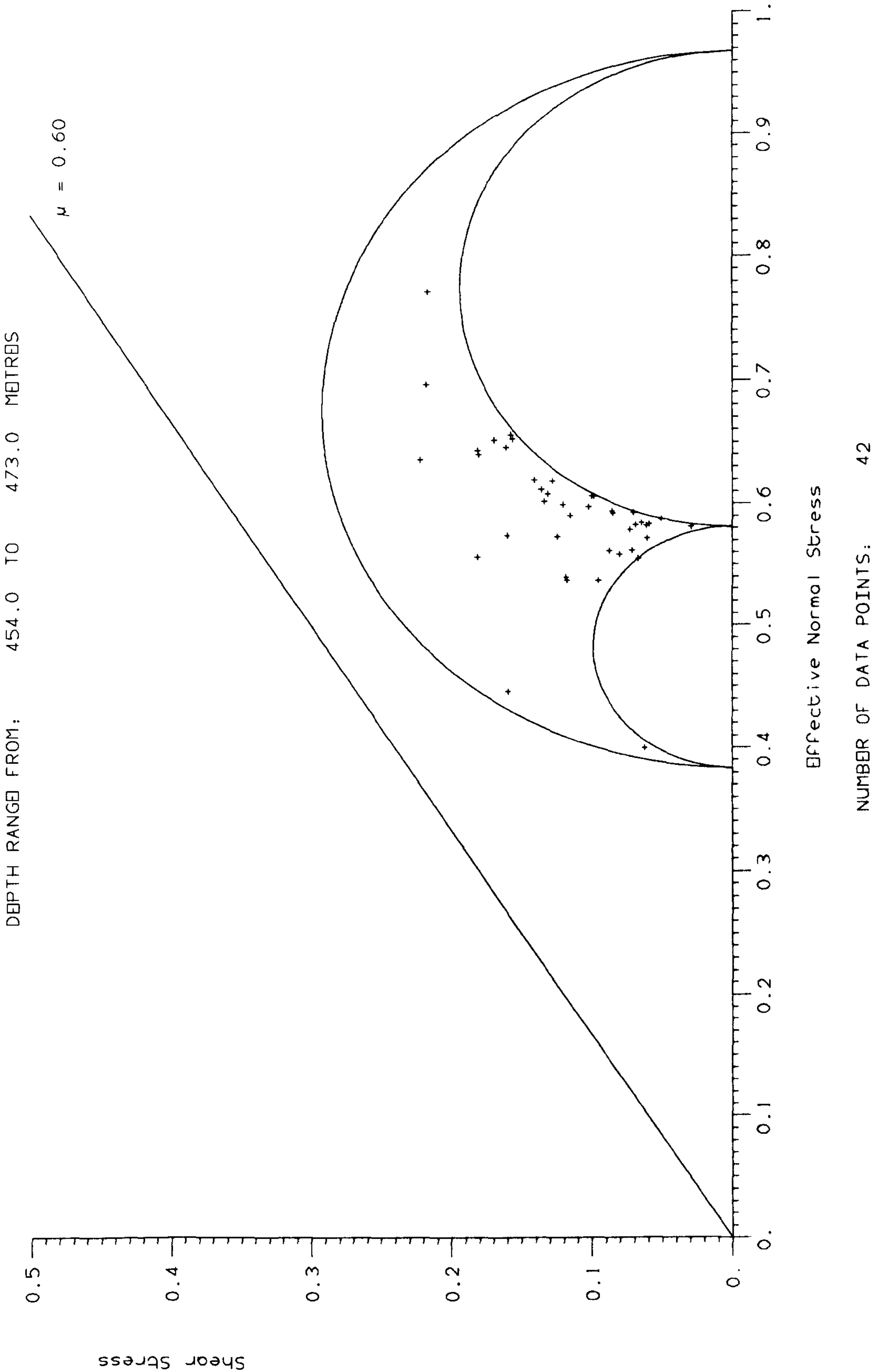




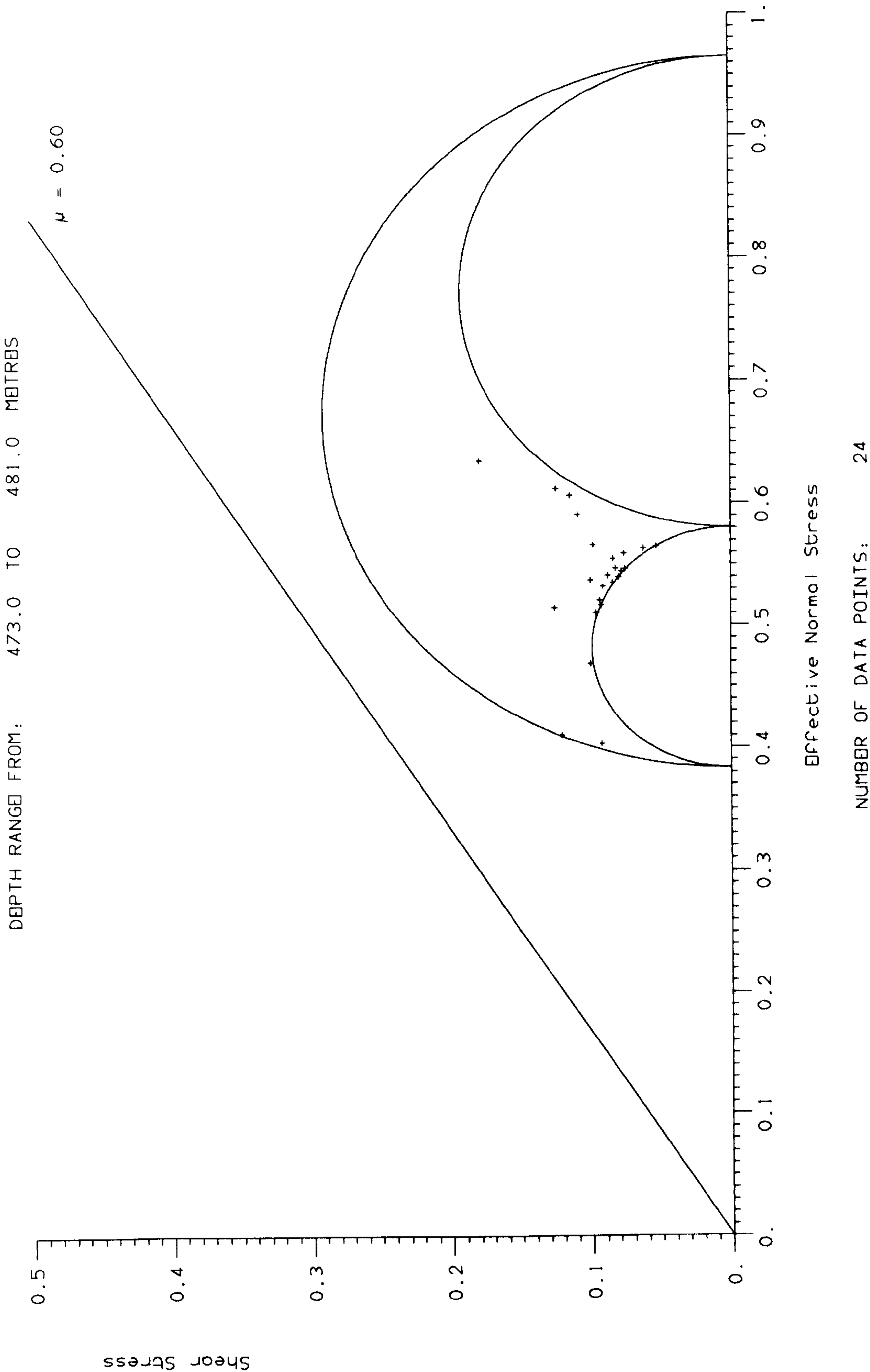




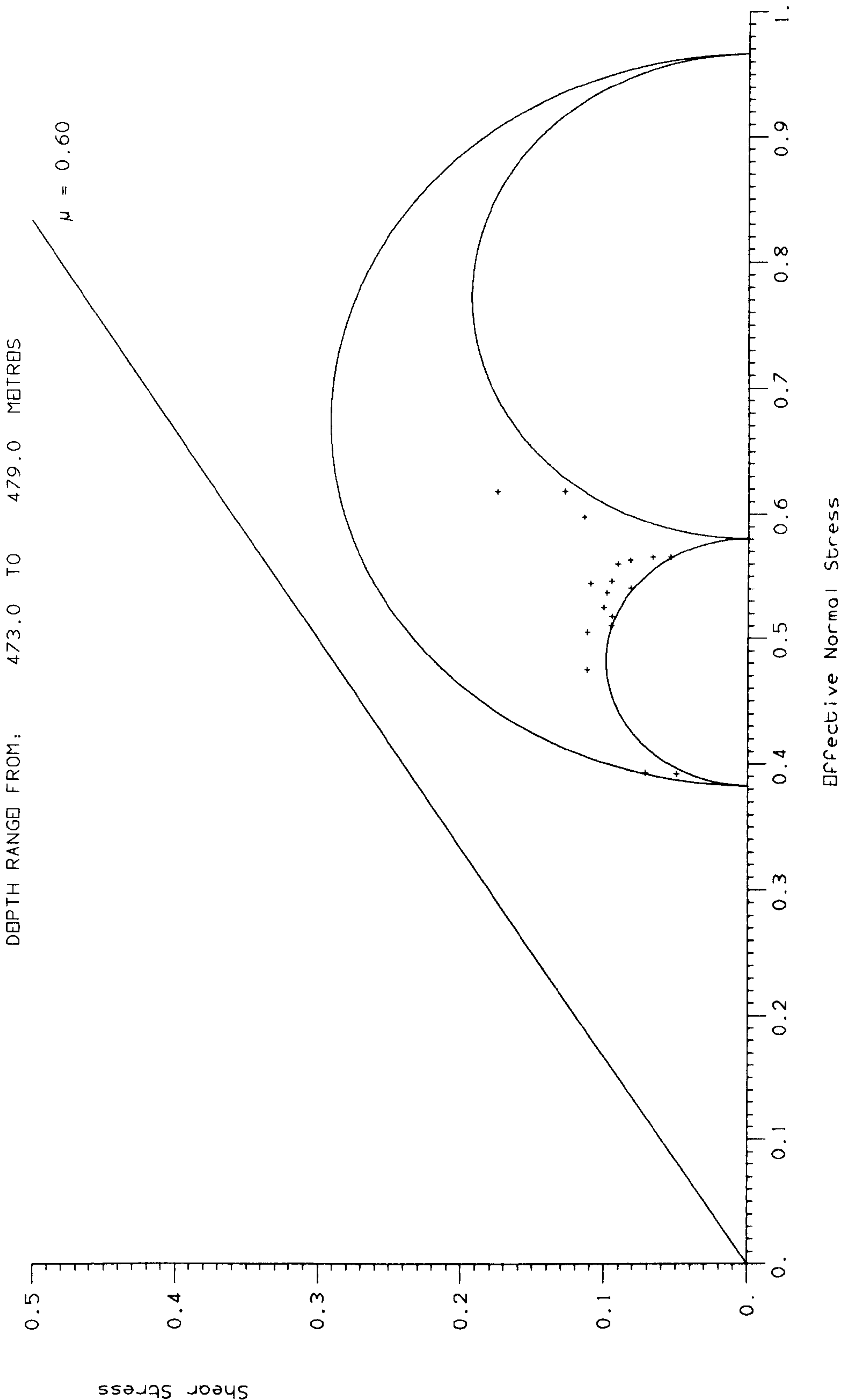




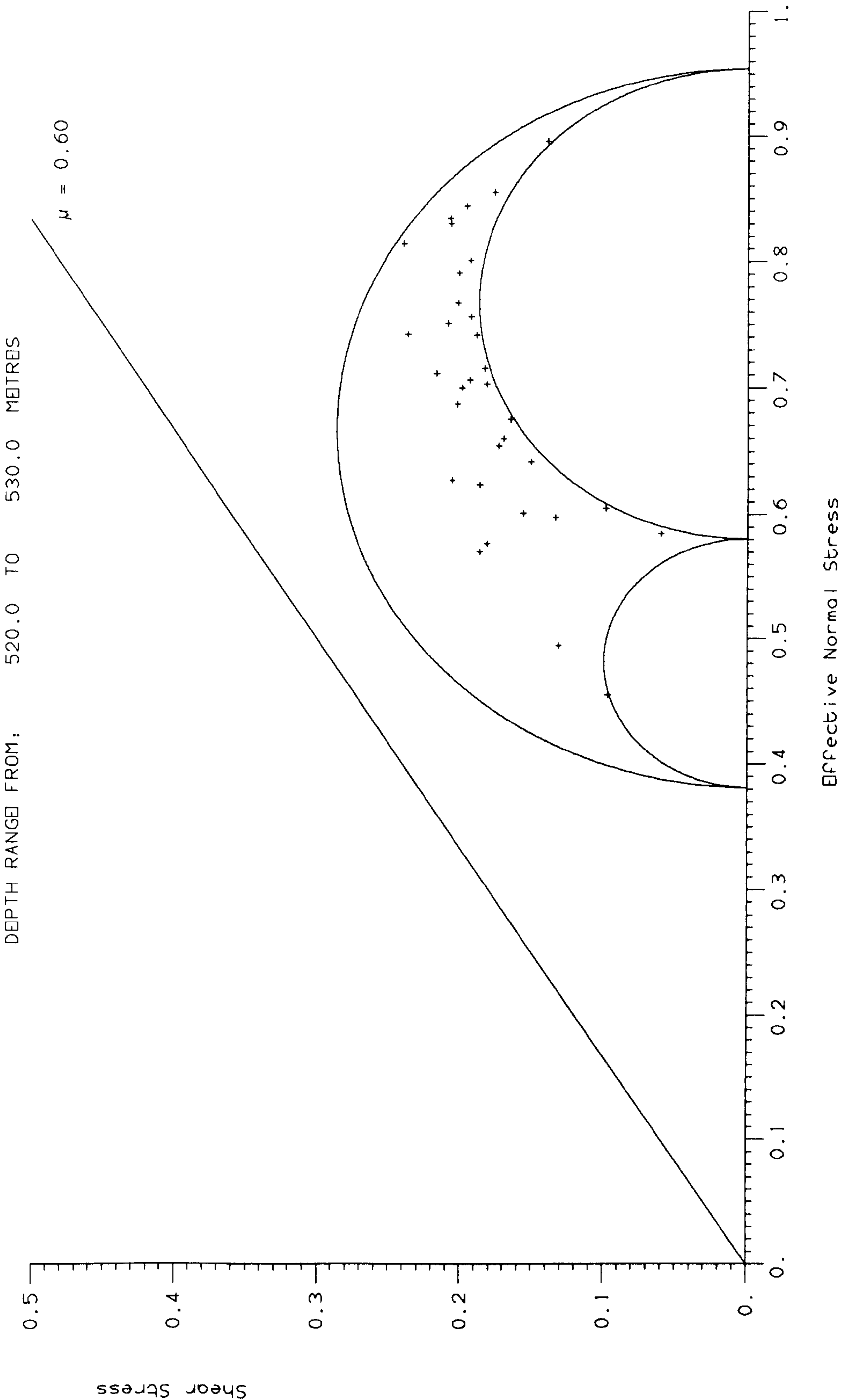




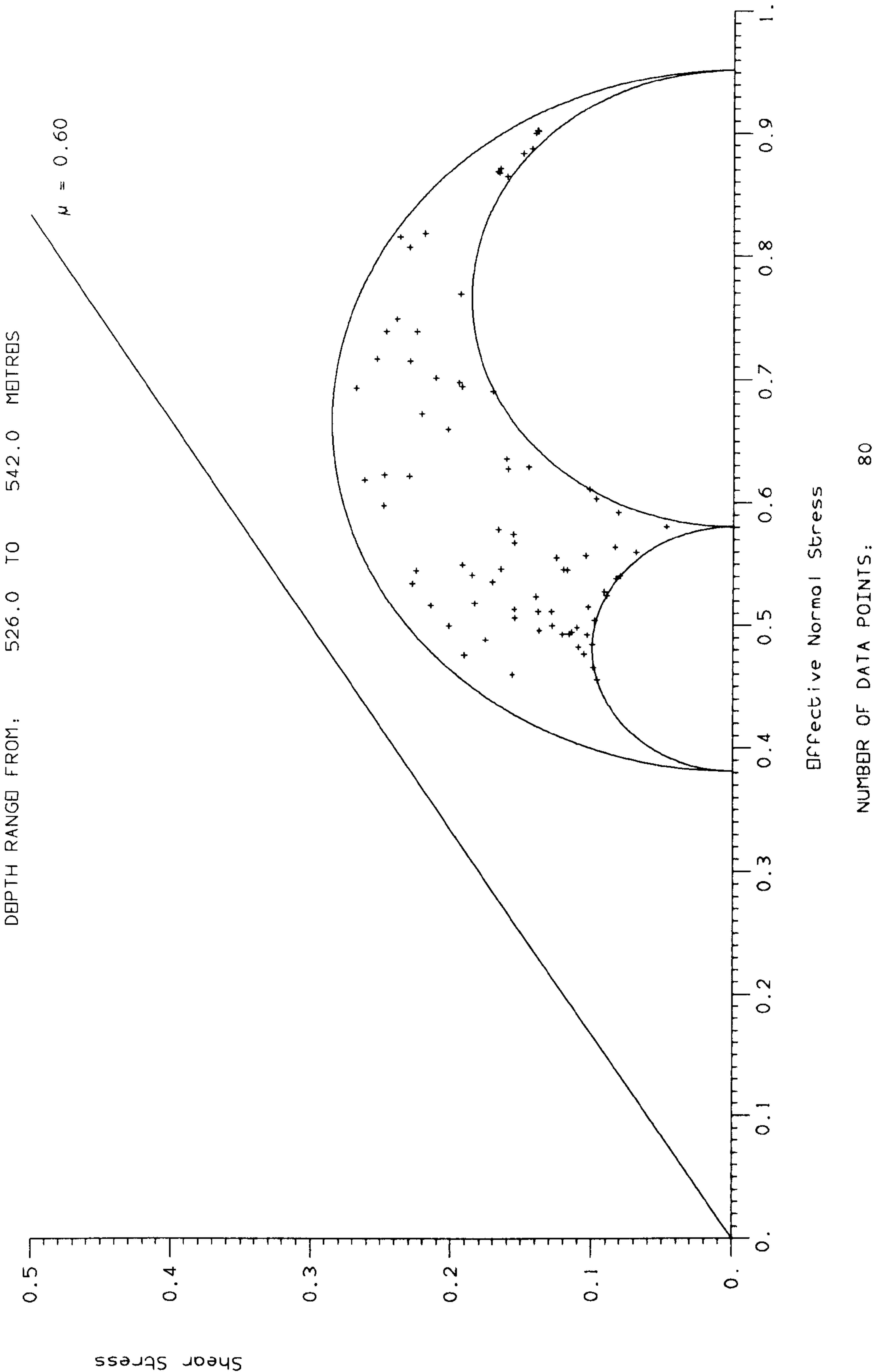




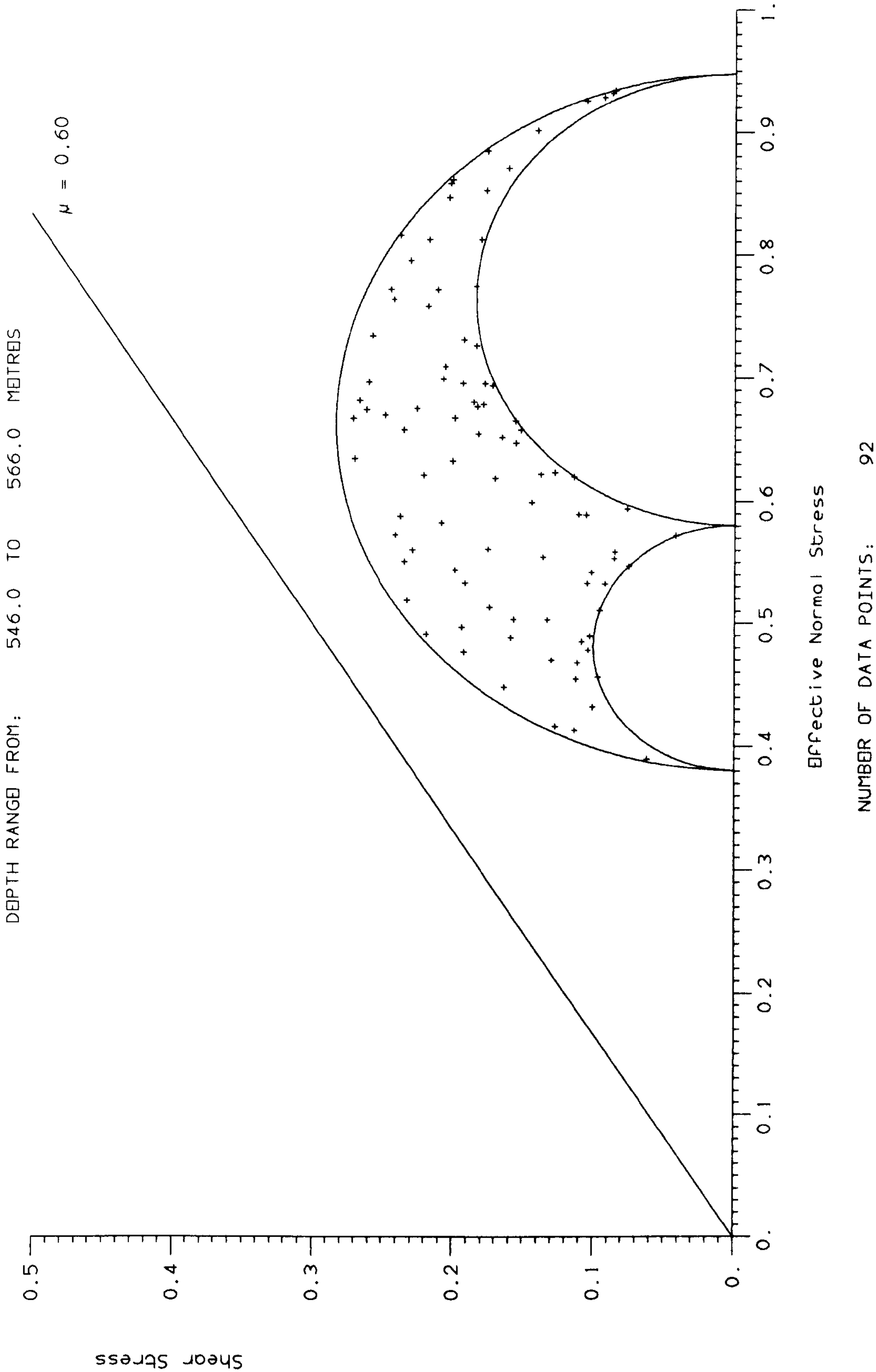




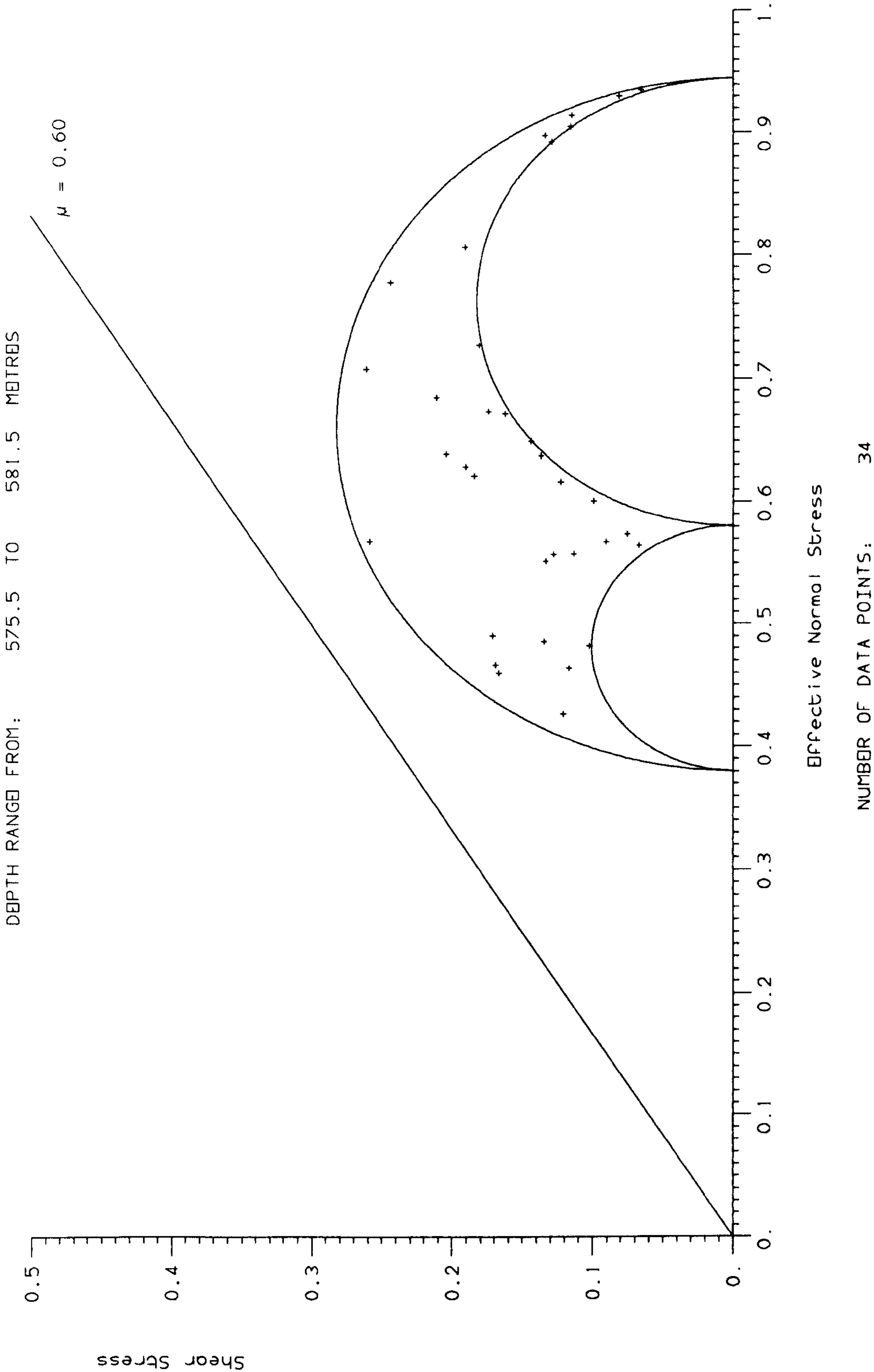




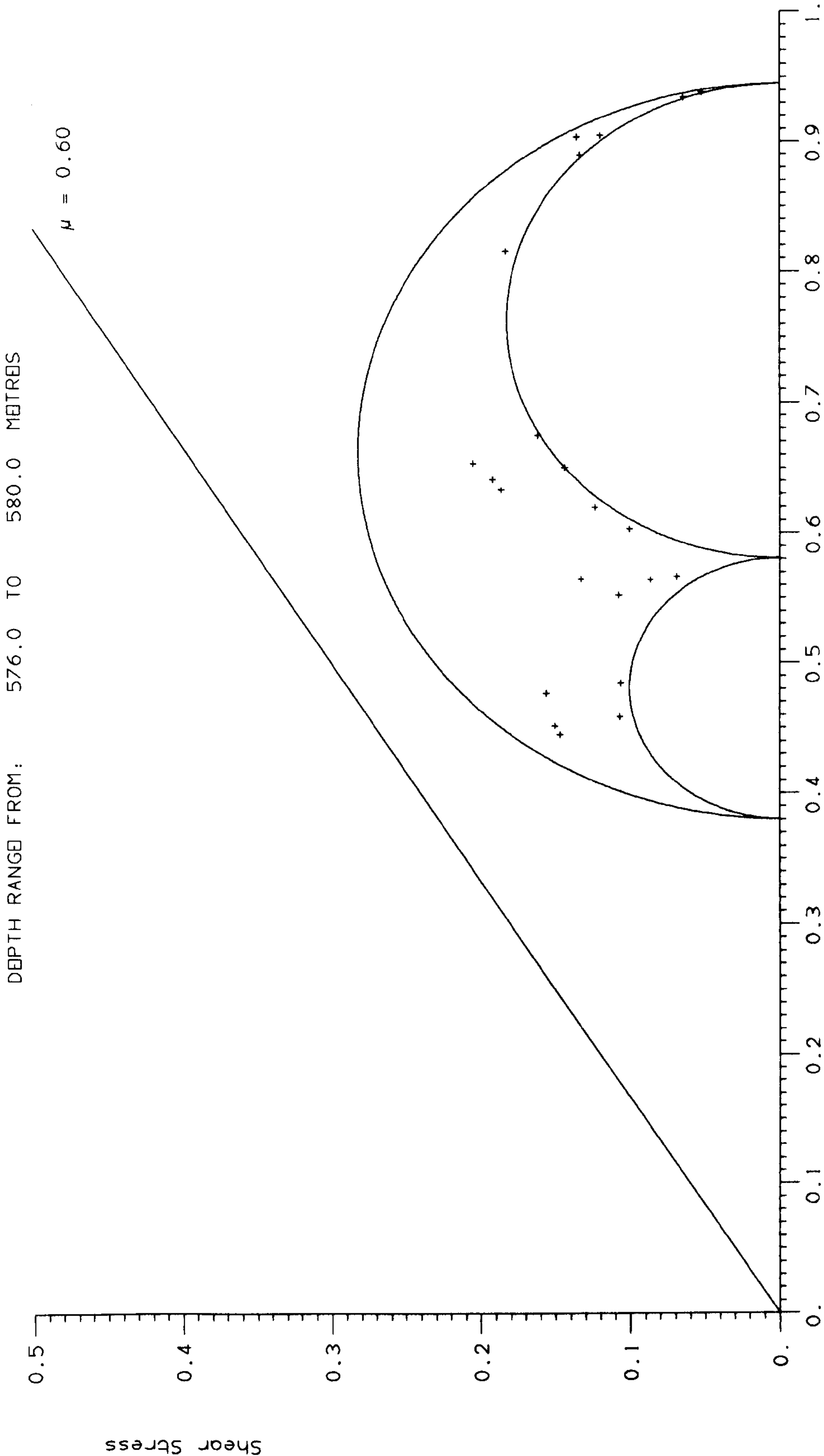




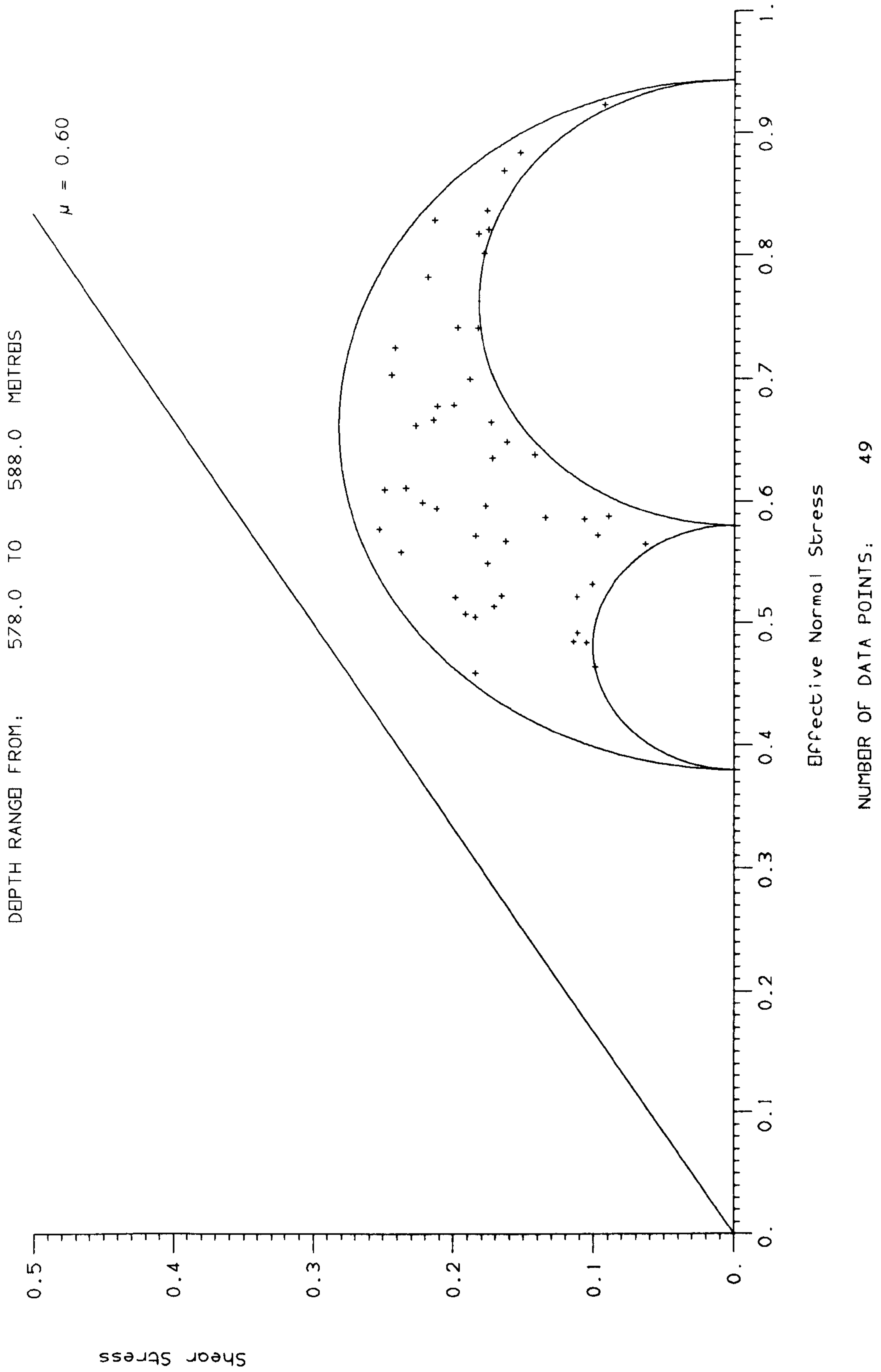




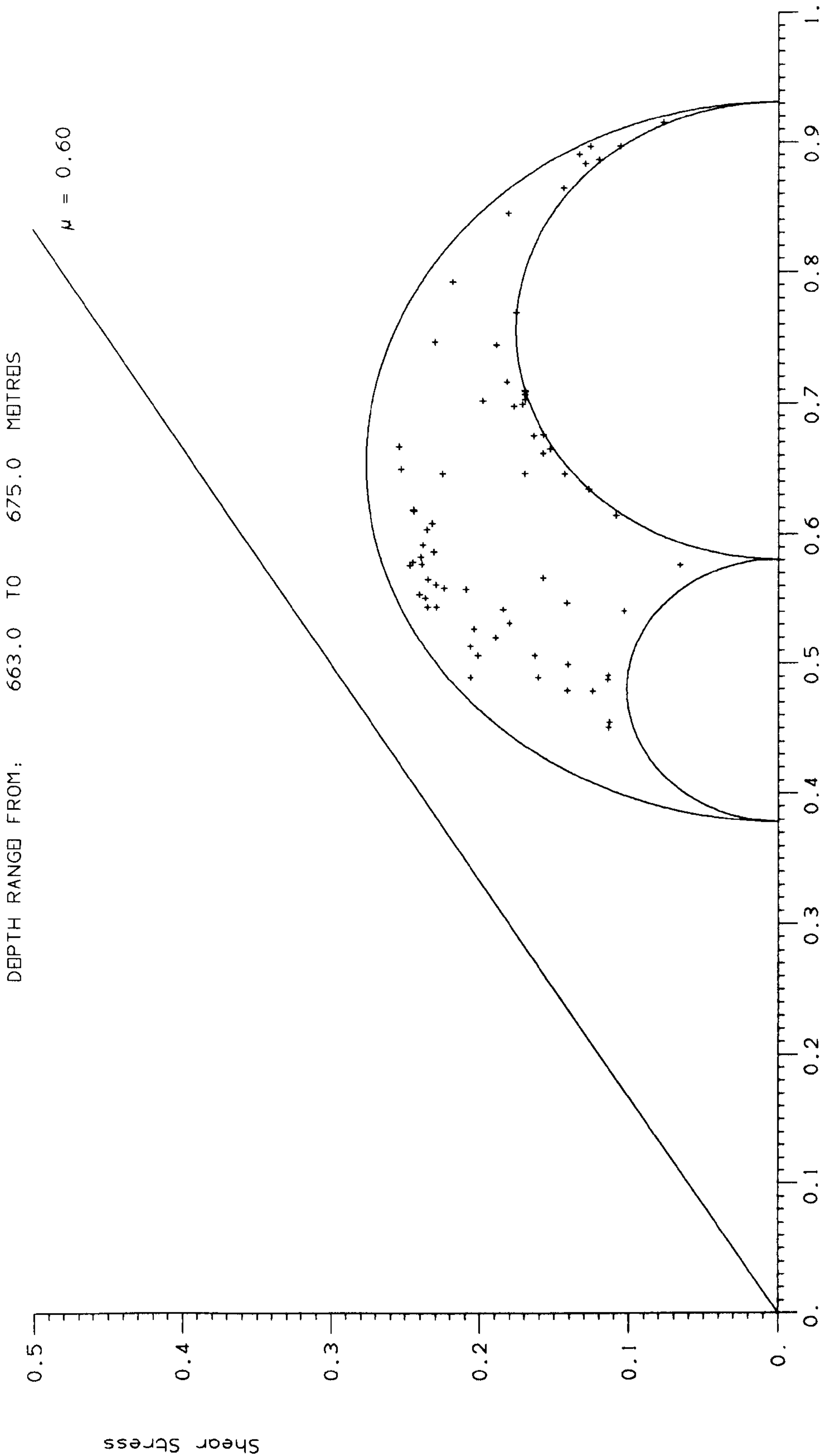




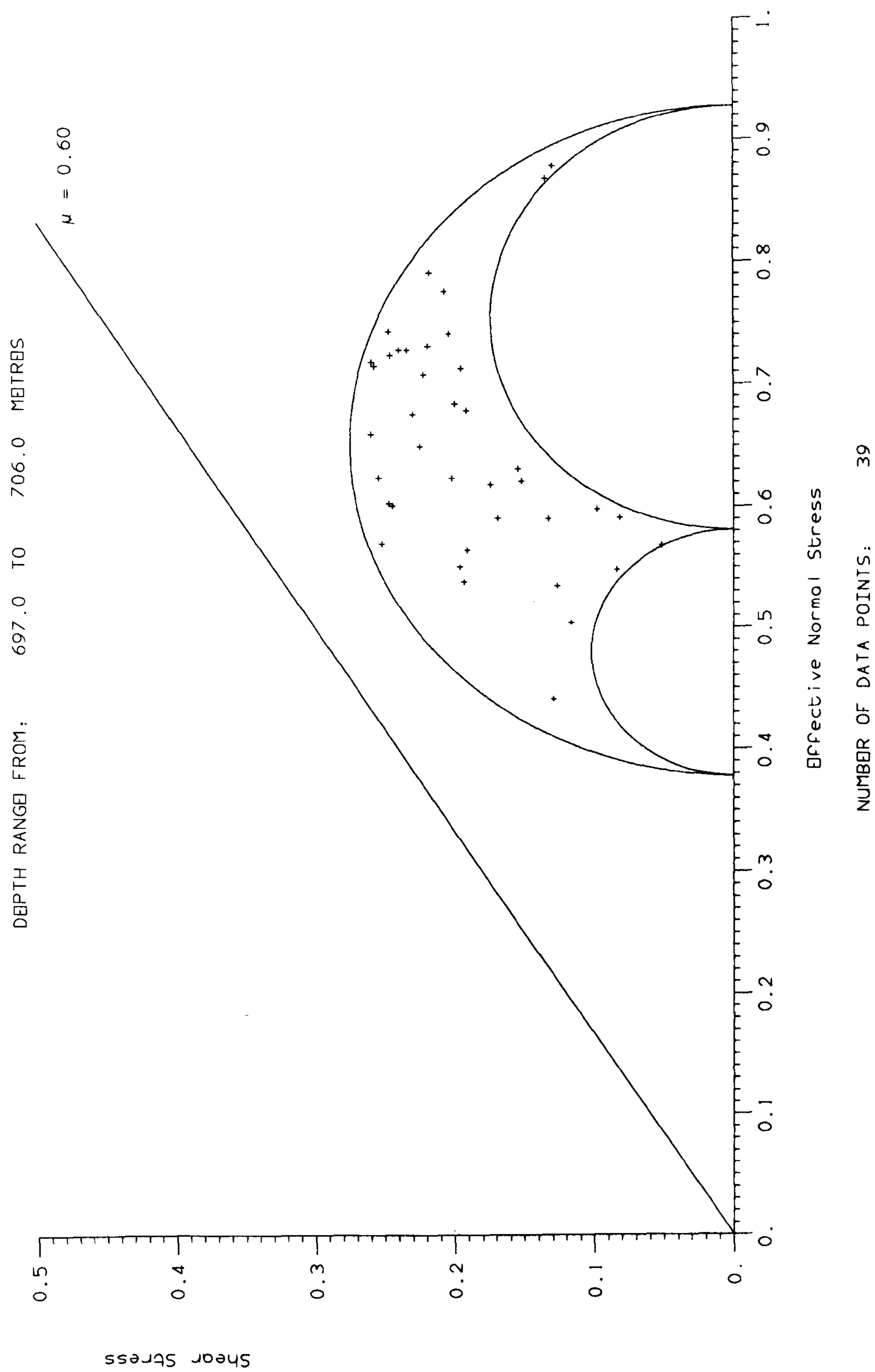




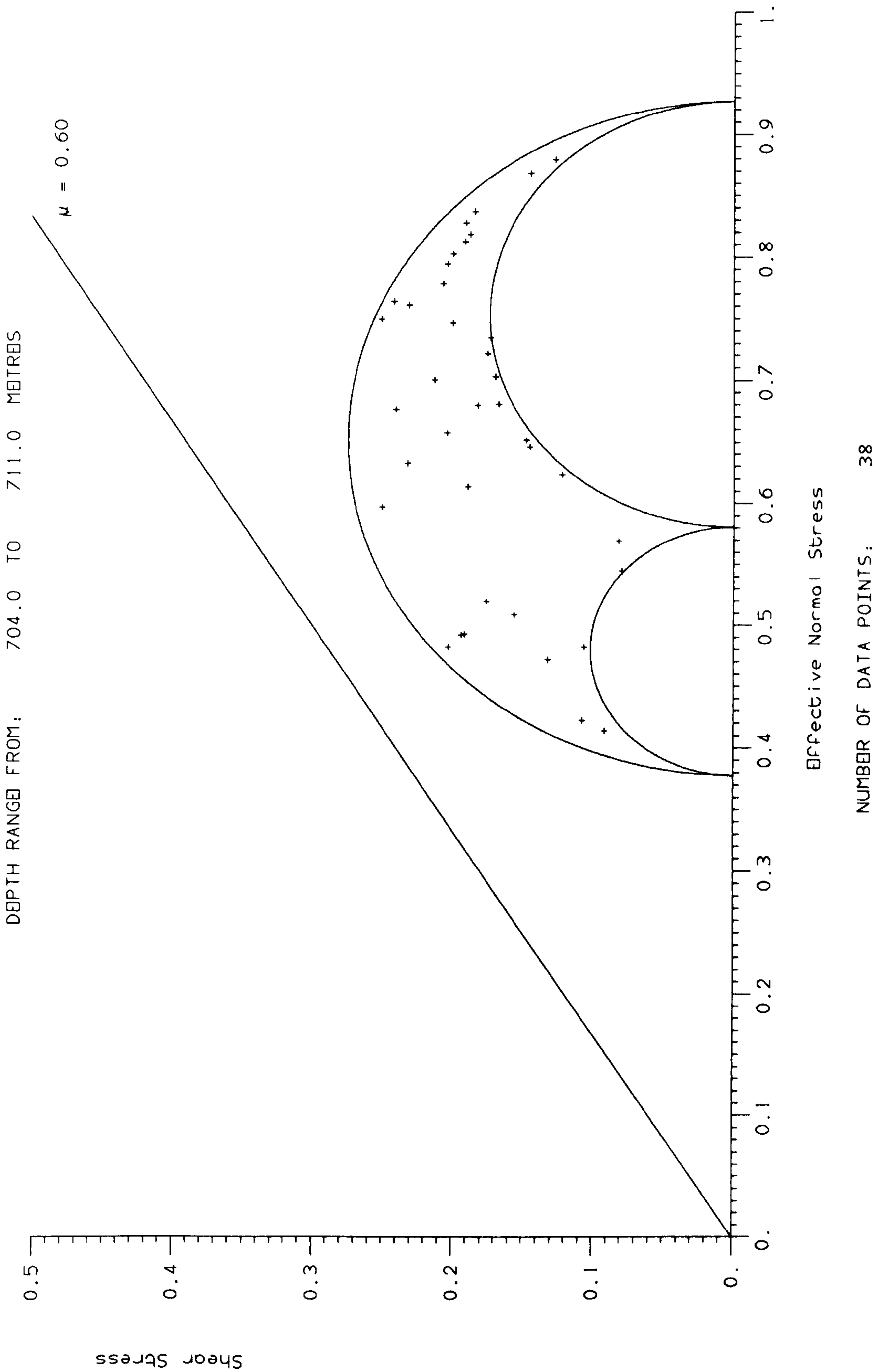




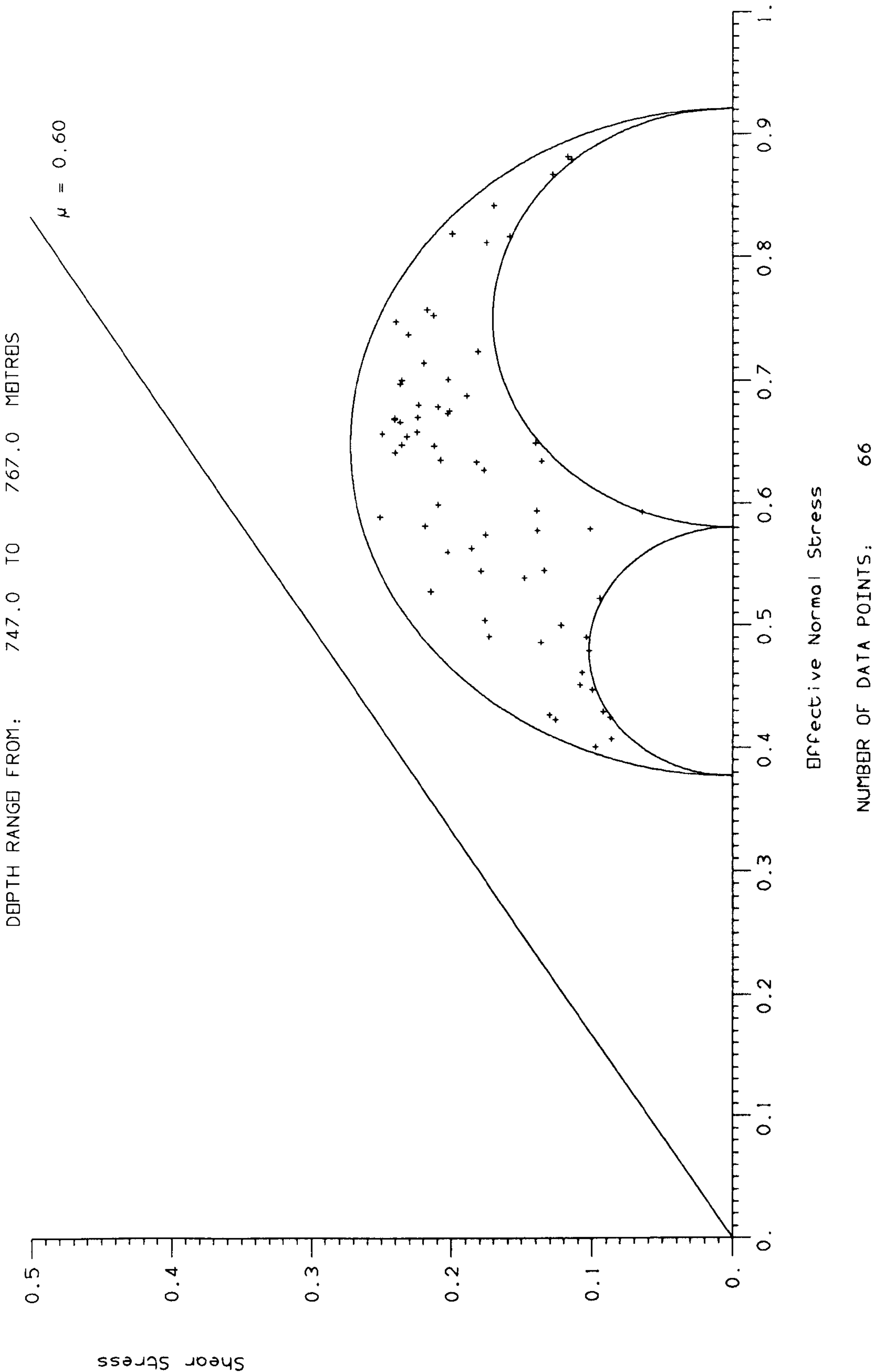




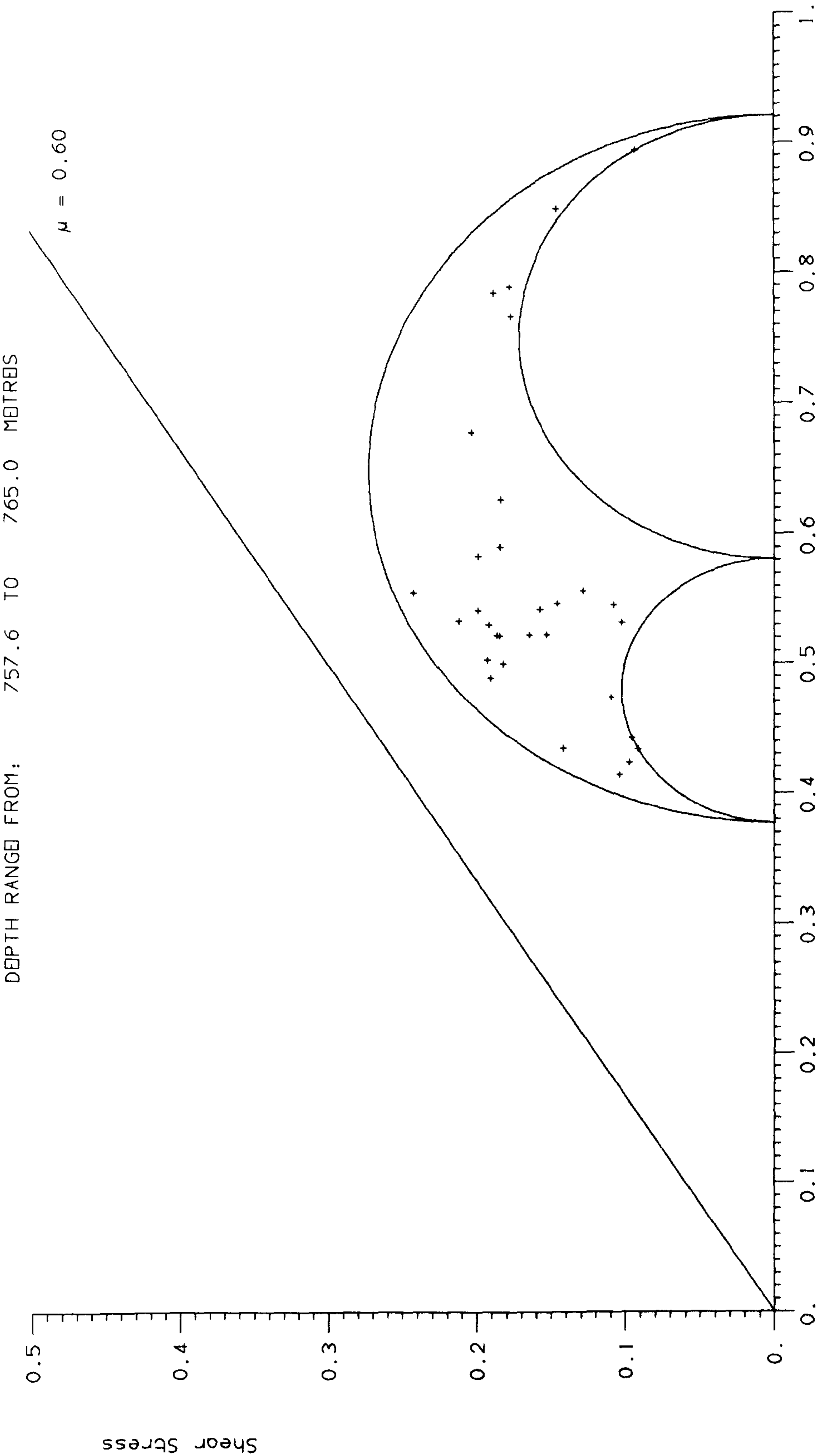




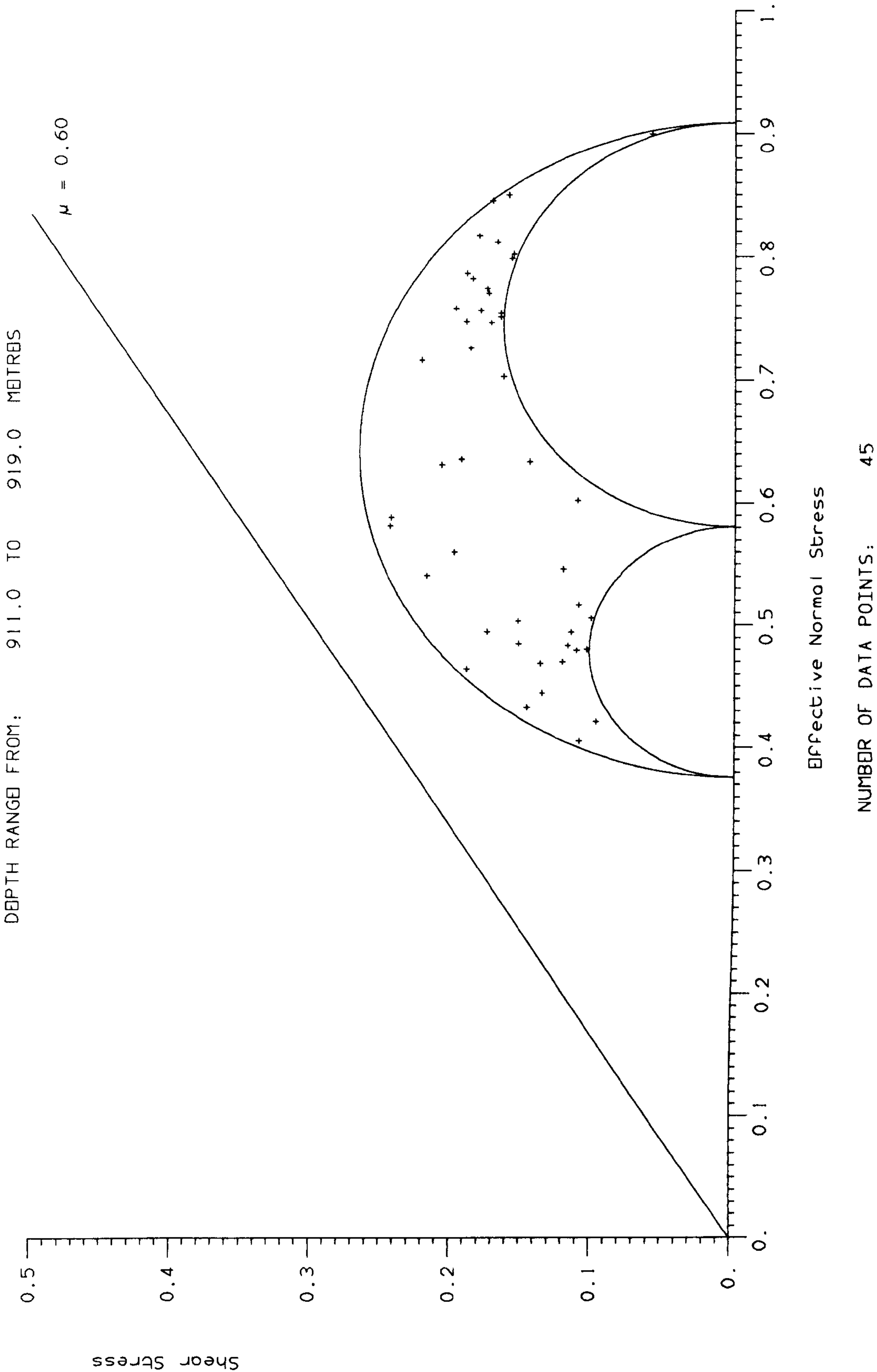




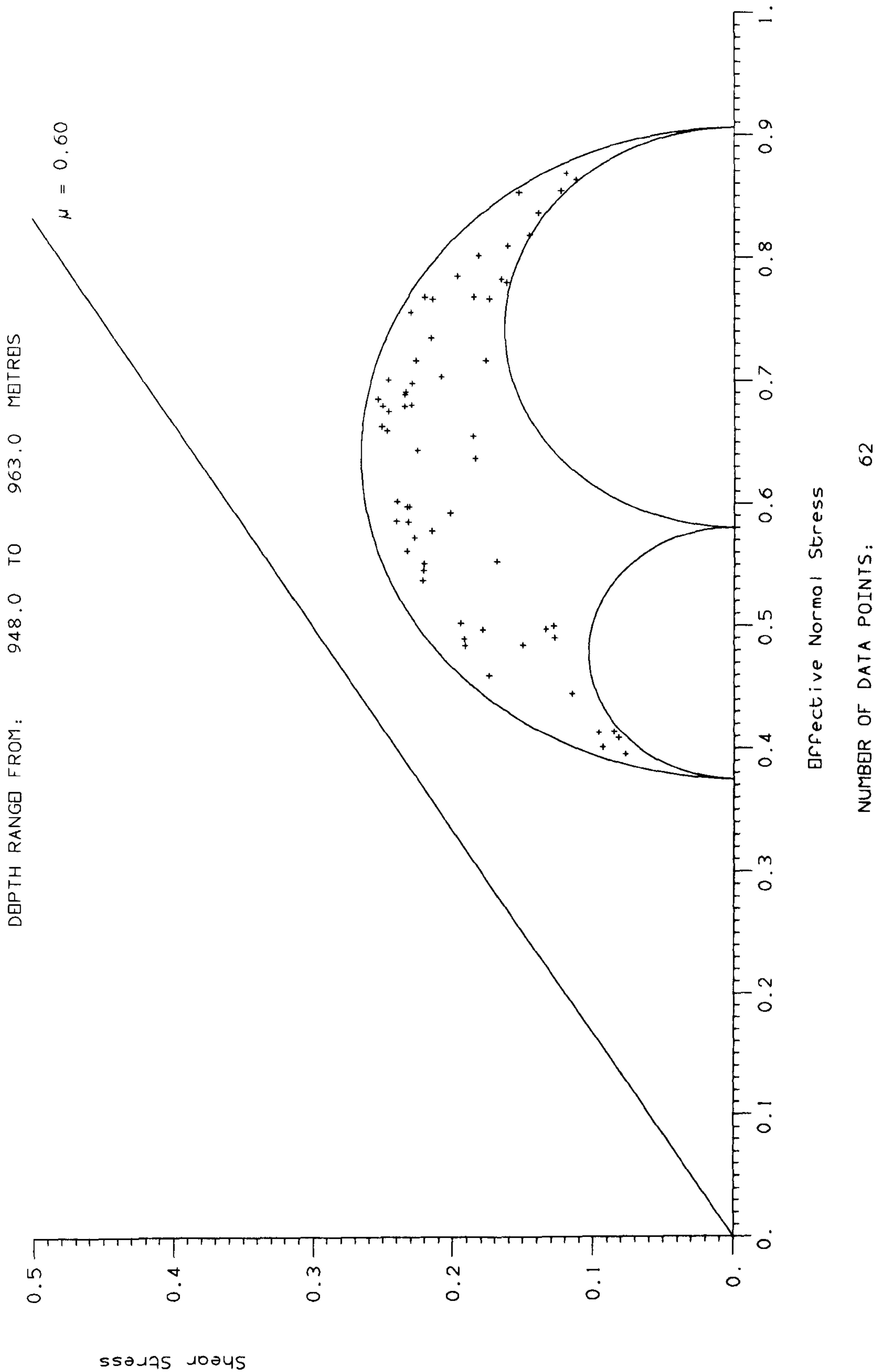




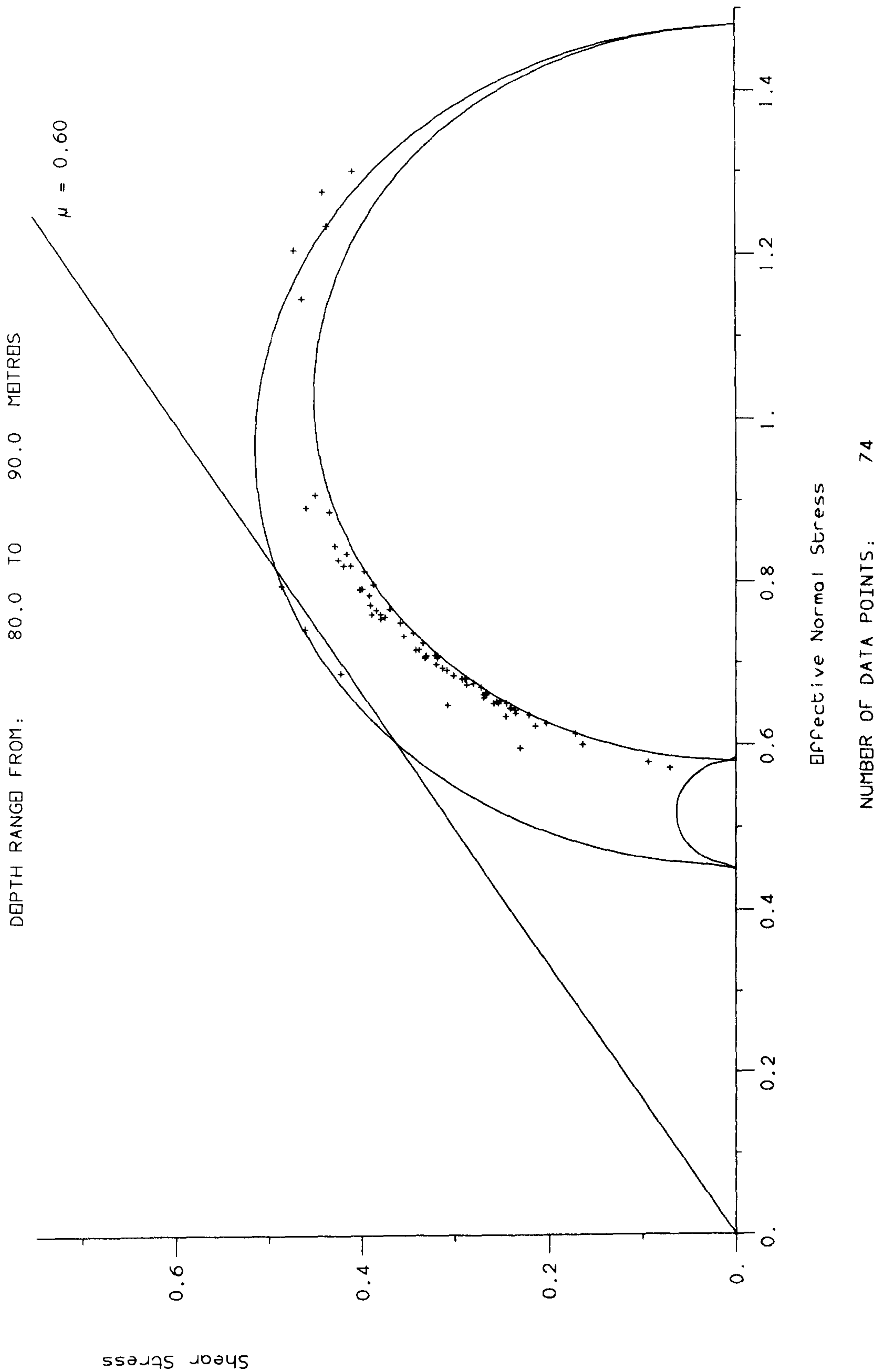




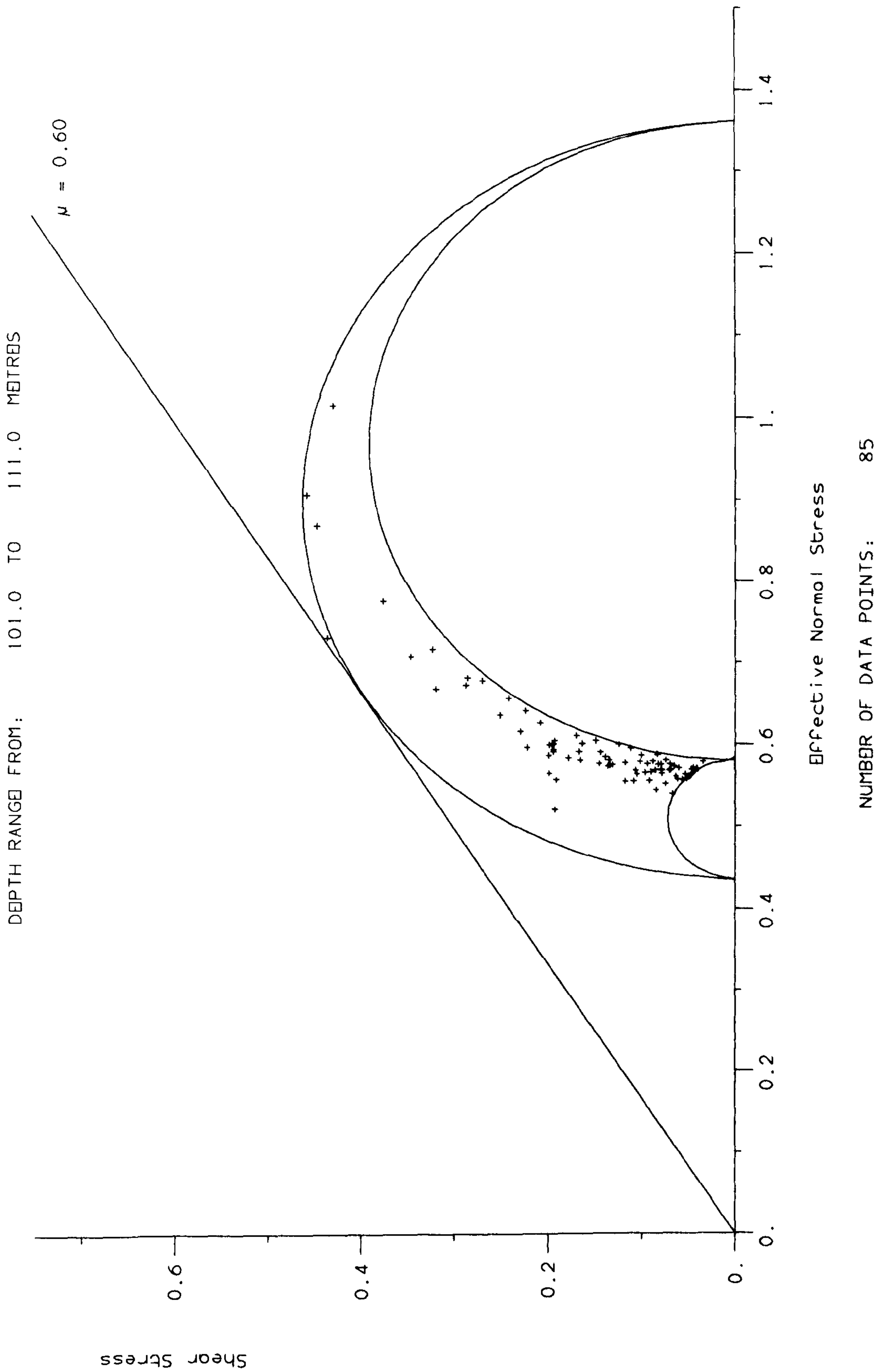




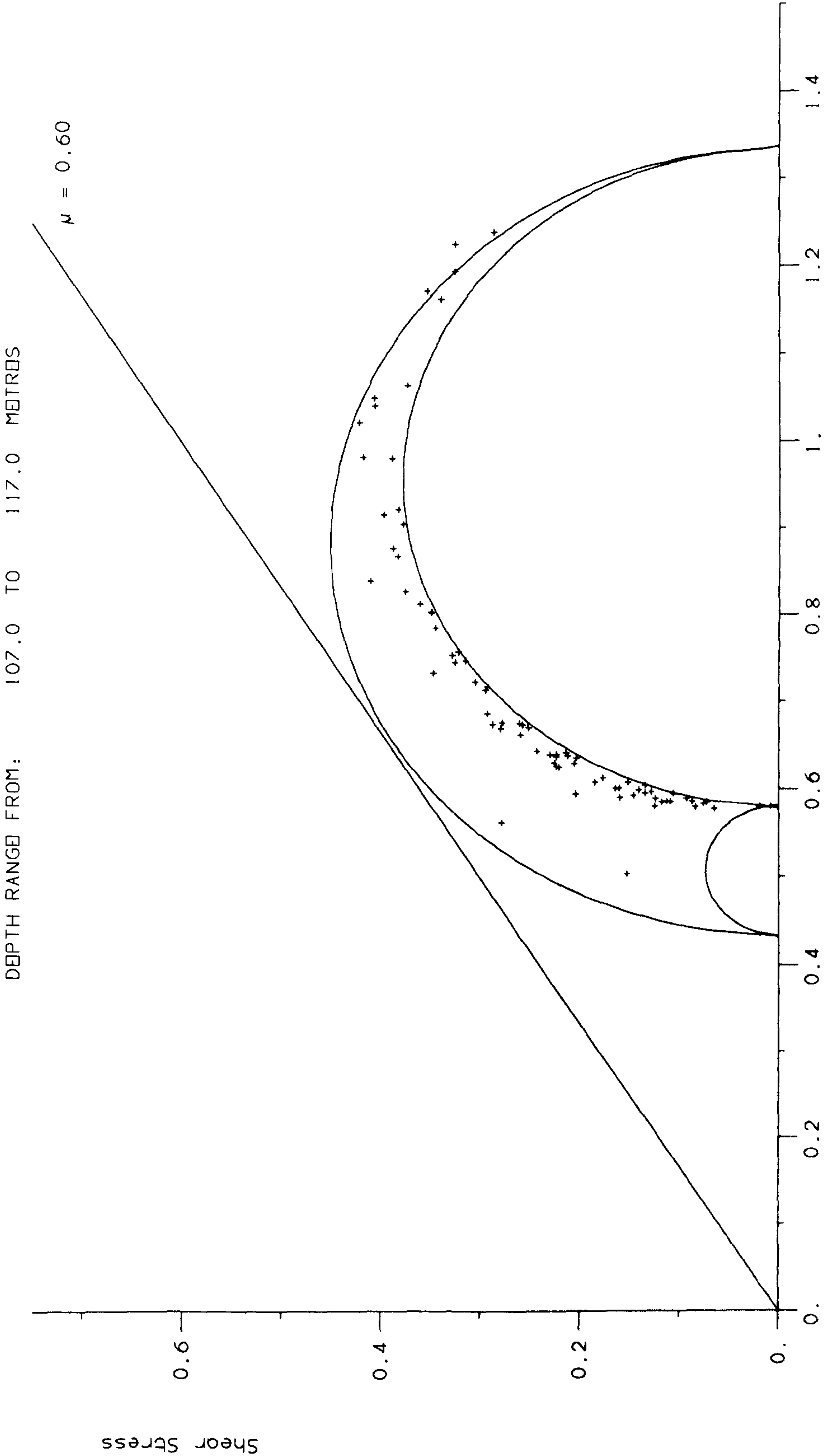








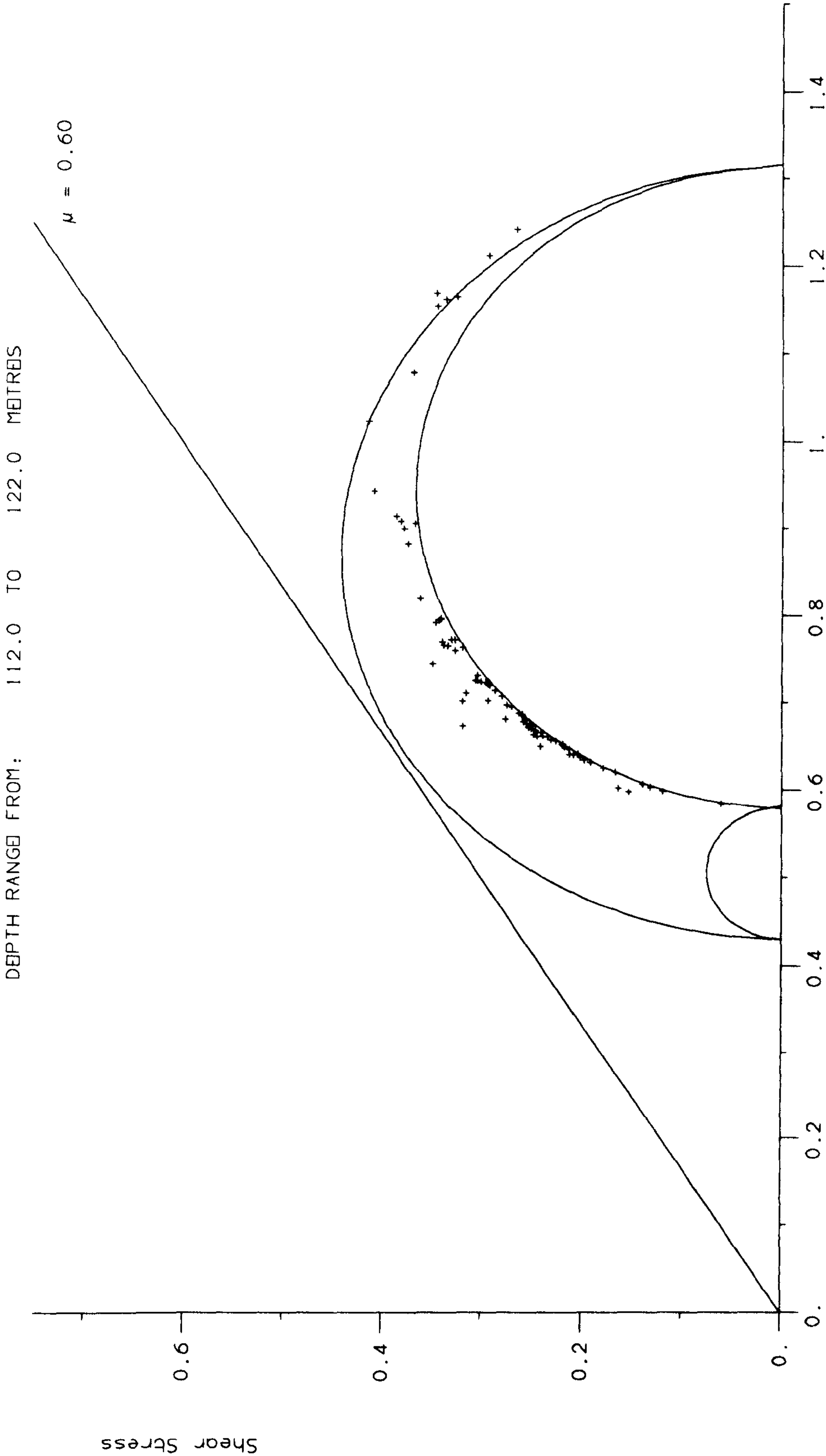




Effective Normal Stress

NUMBER OF DATA POINTS: 77

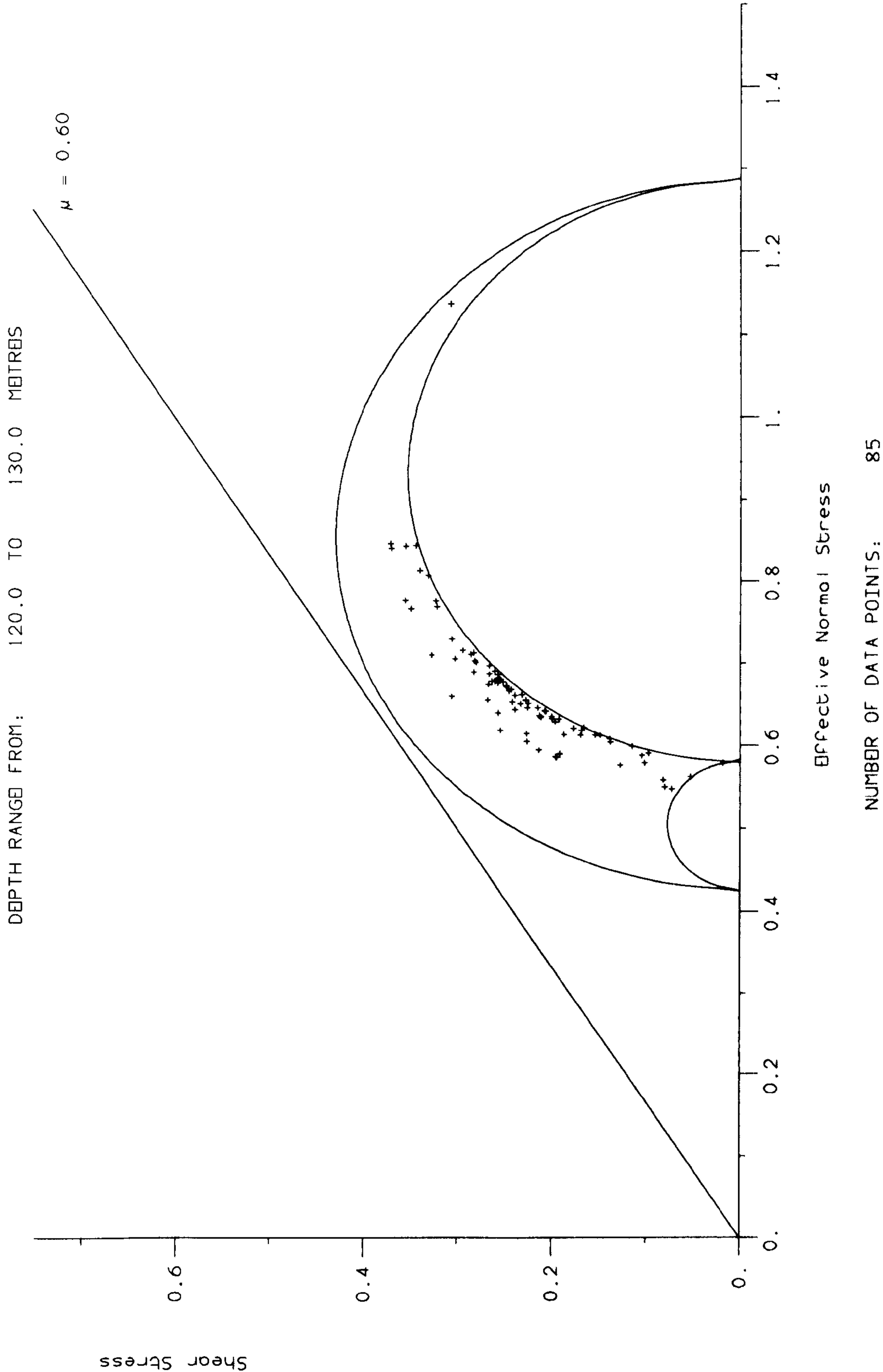




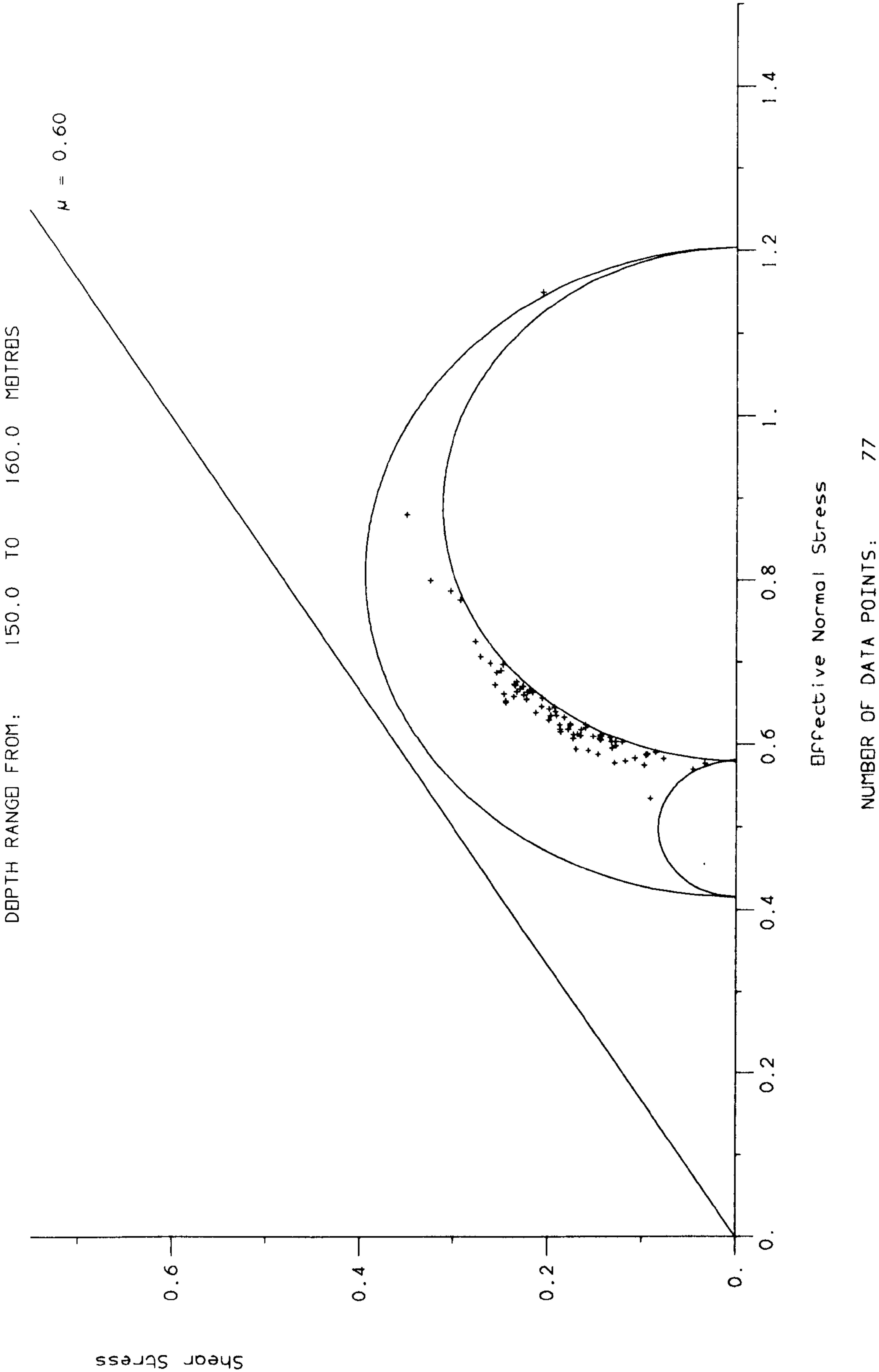
EFFECTIVE NORMAL STRESS

NUMBER OF DATA POINTS: 81

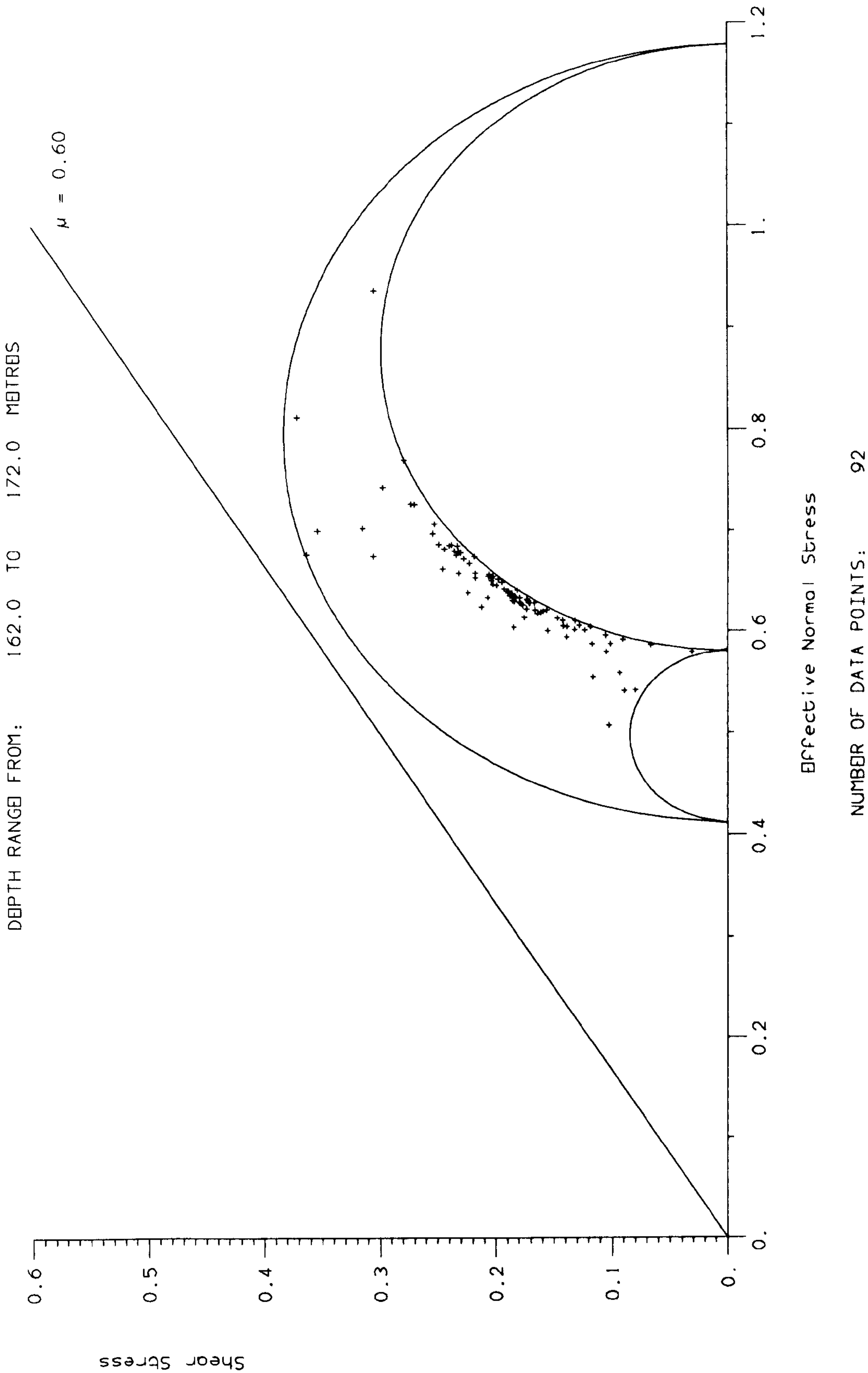




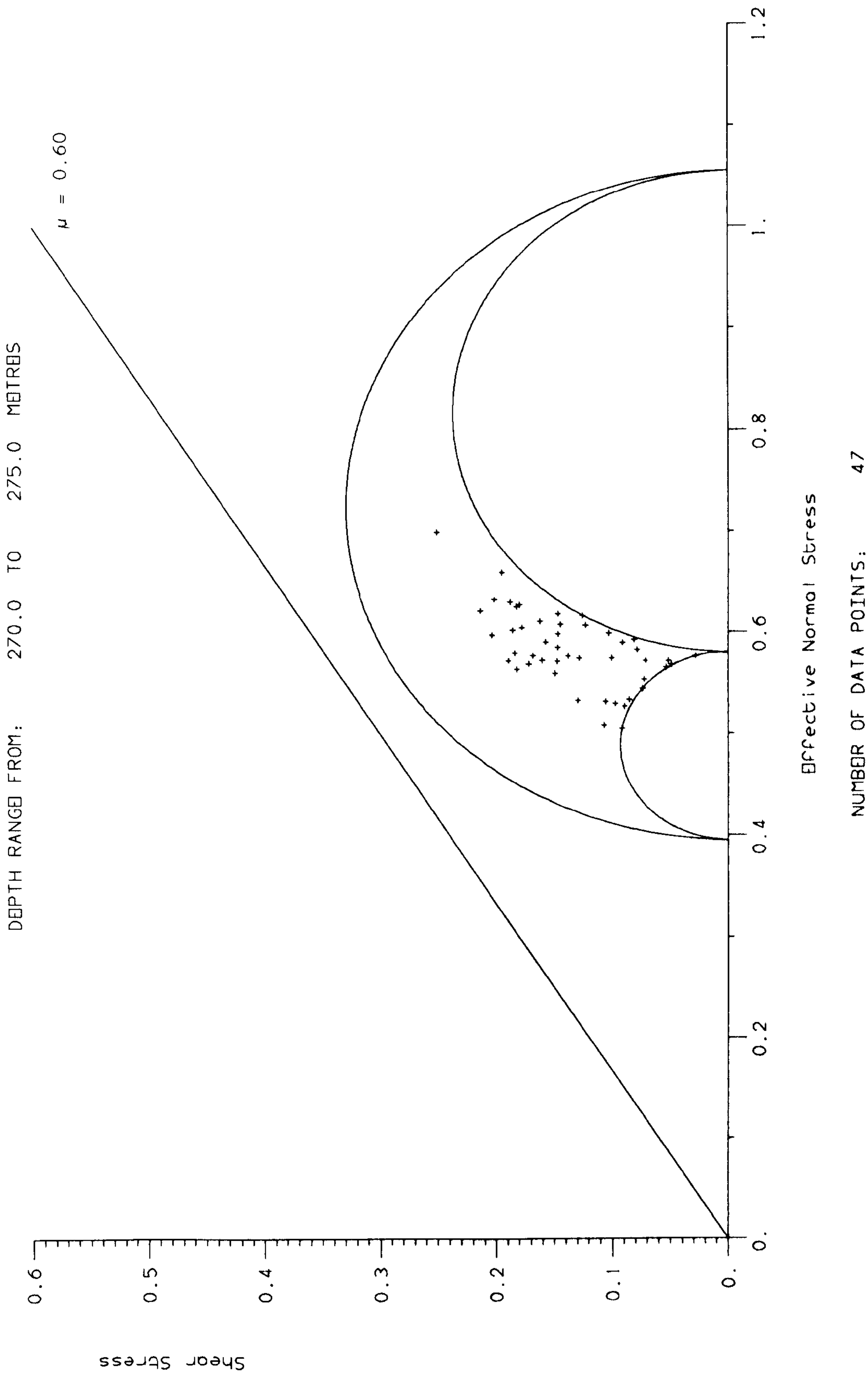




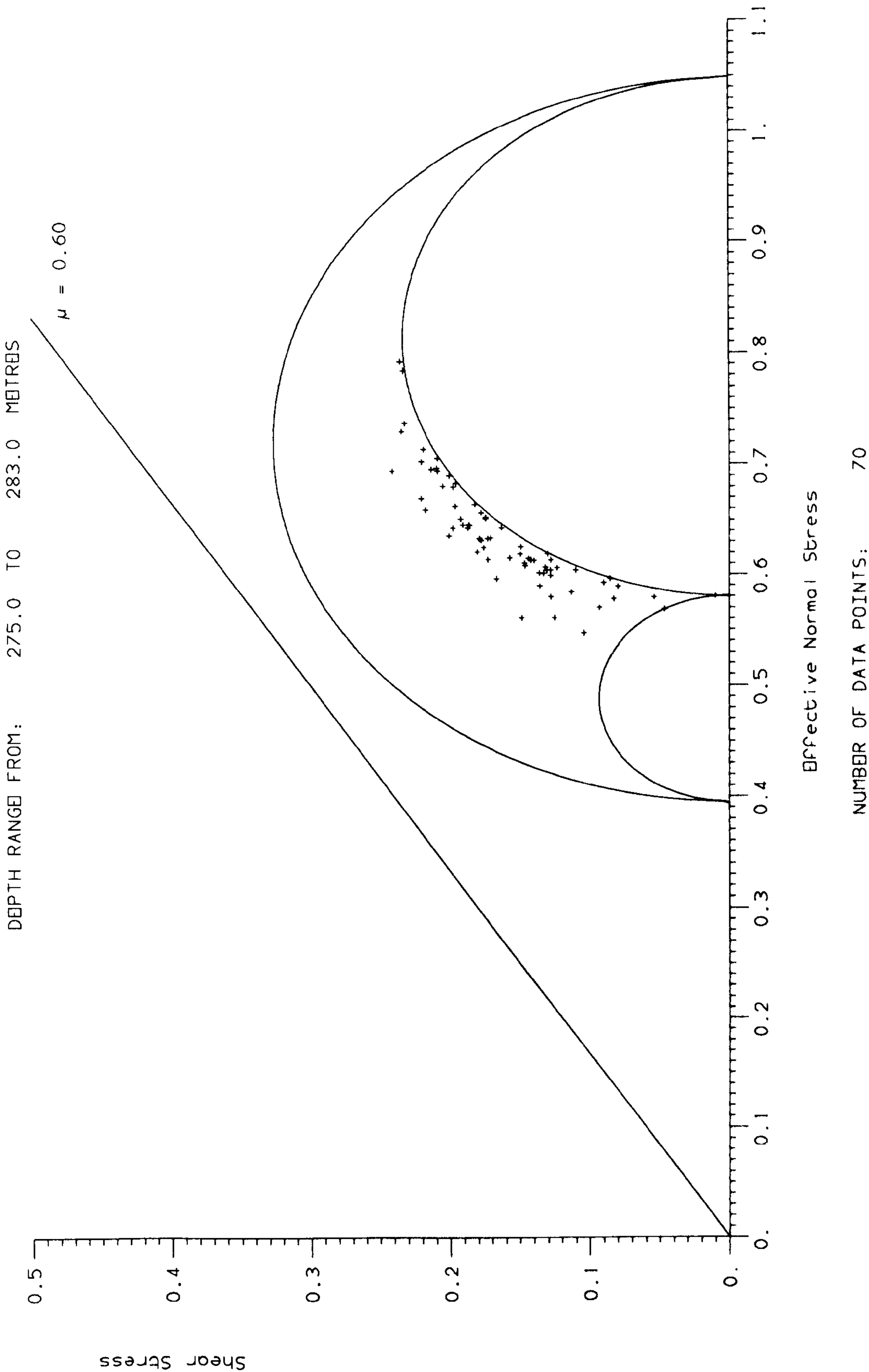




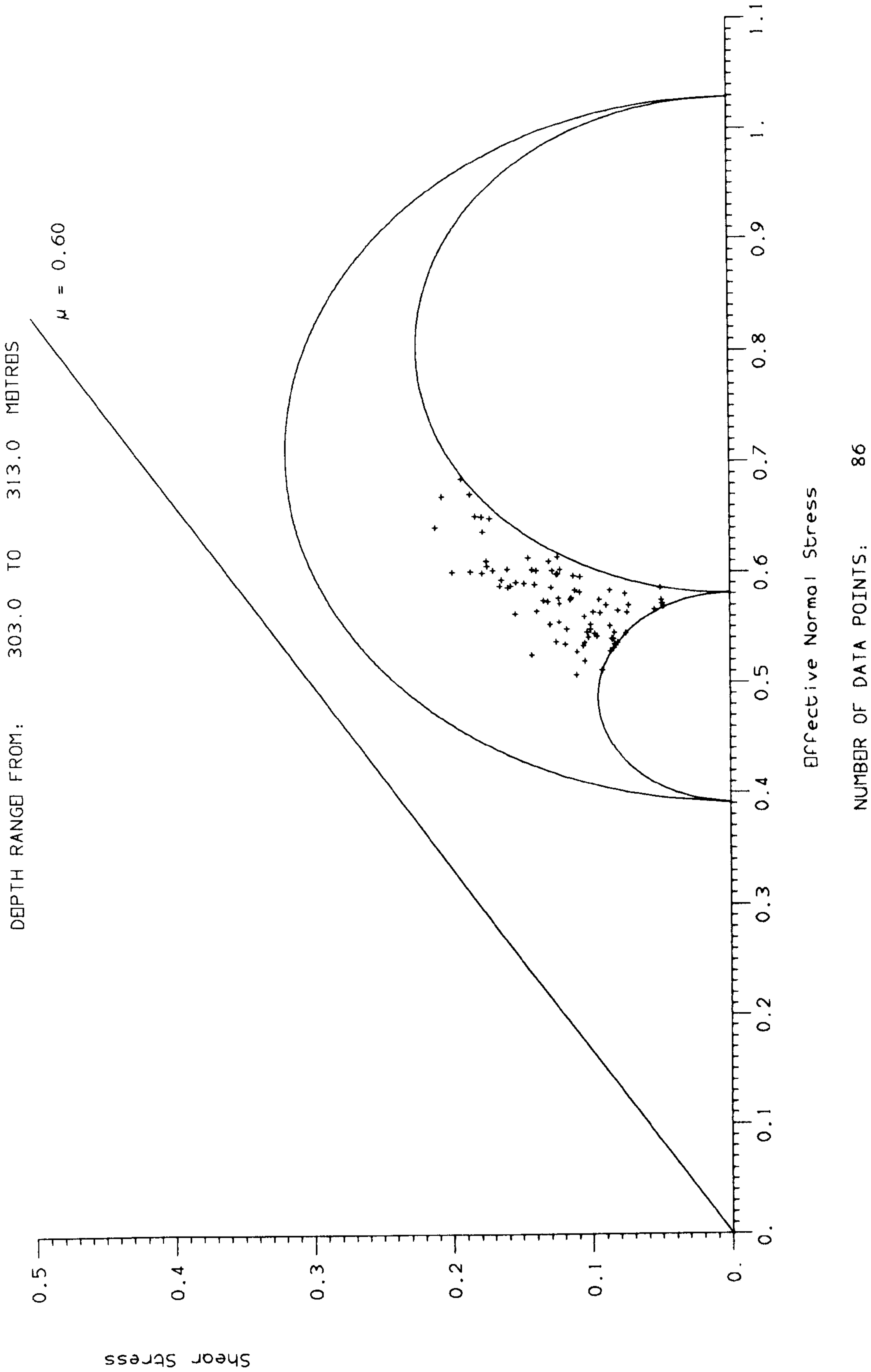




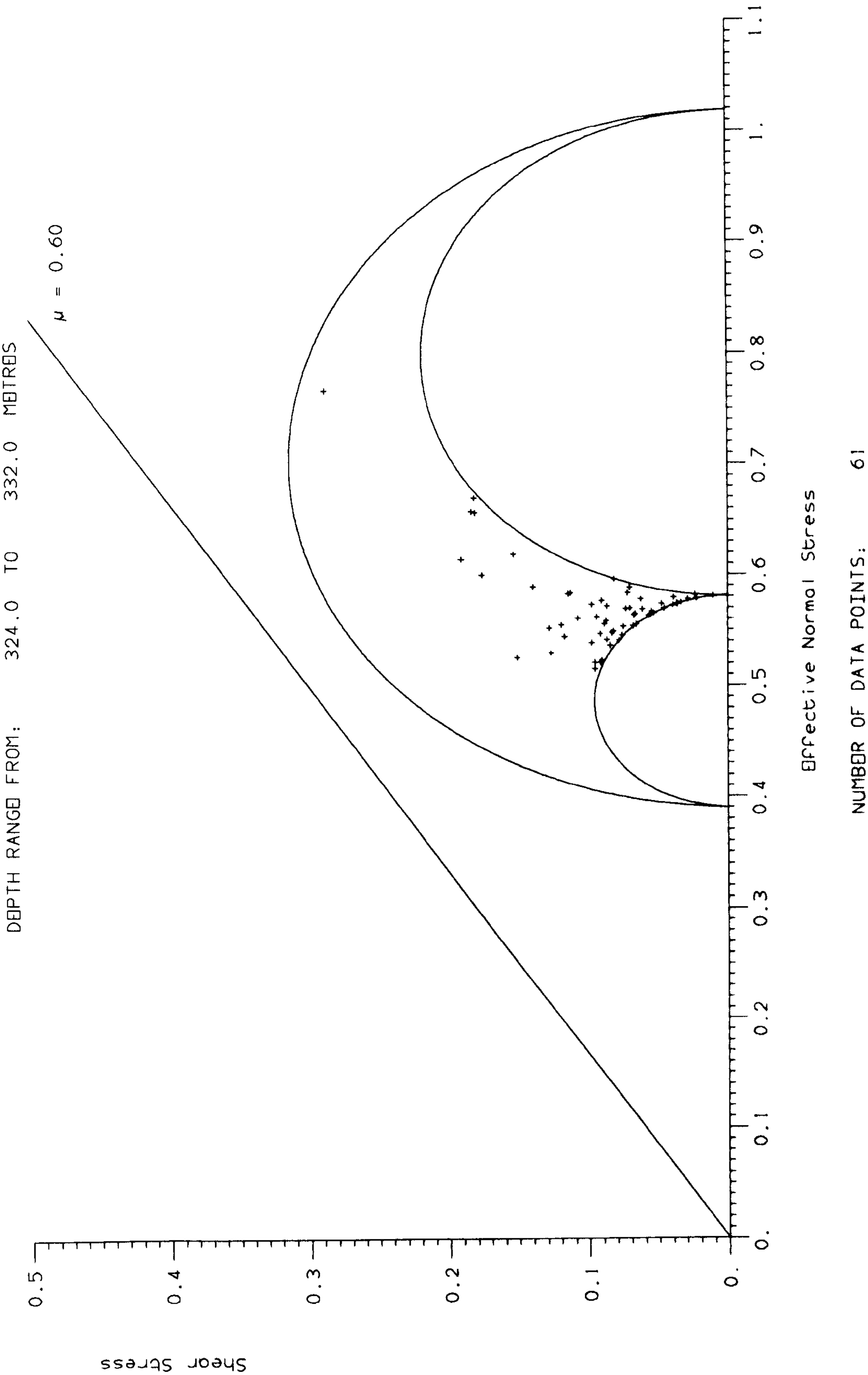




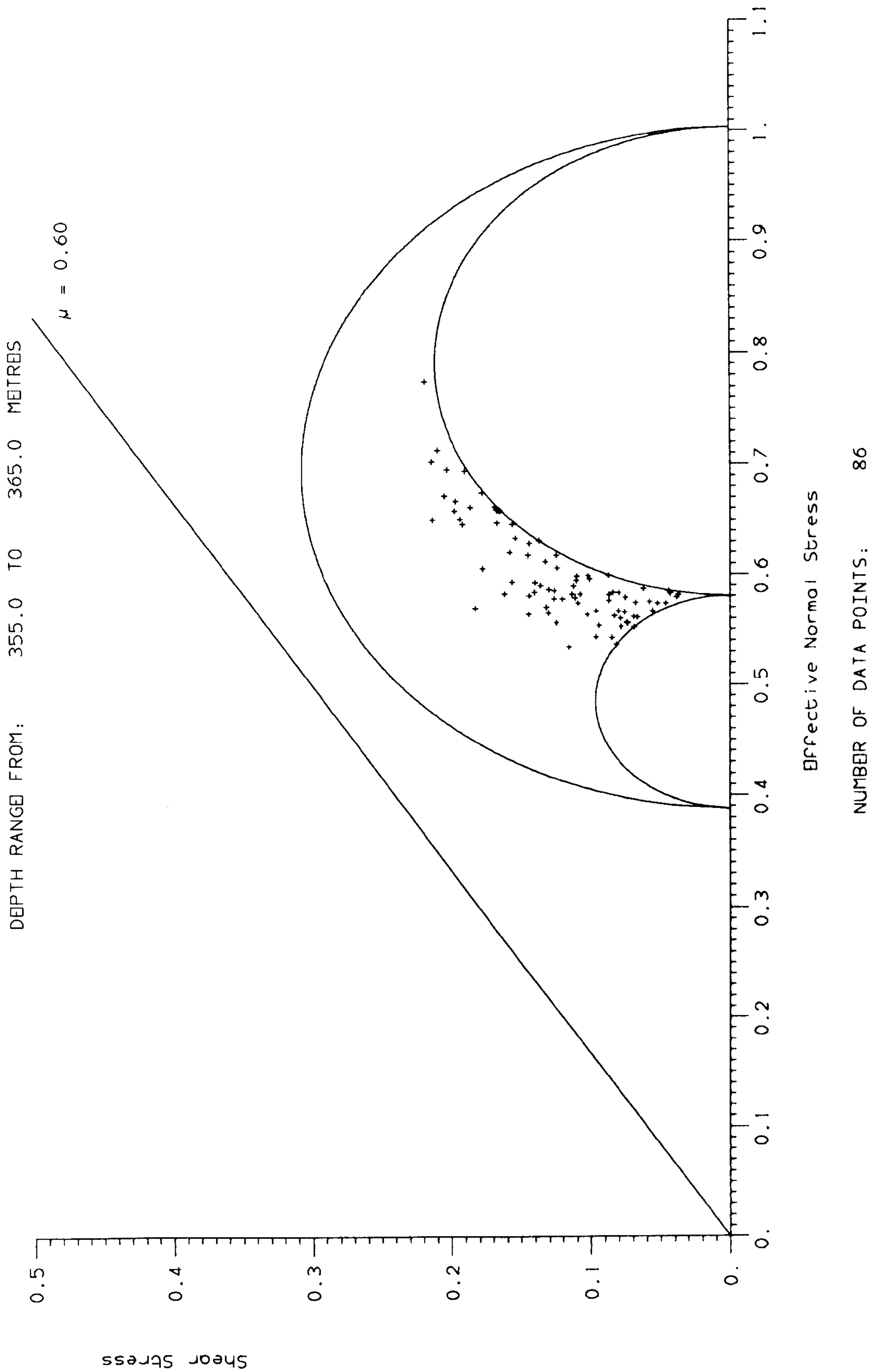




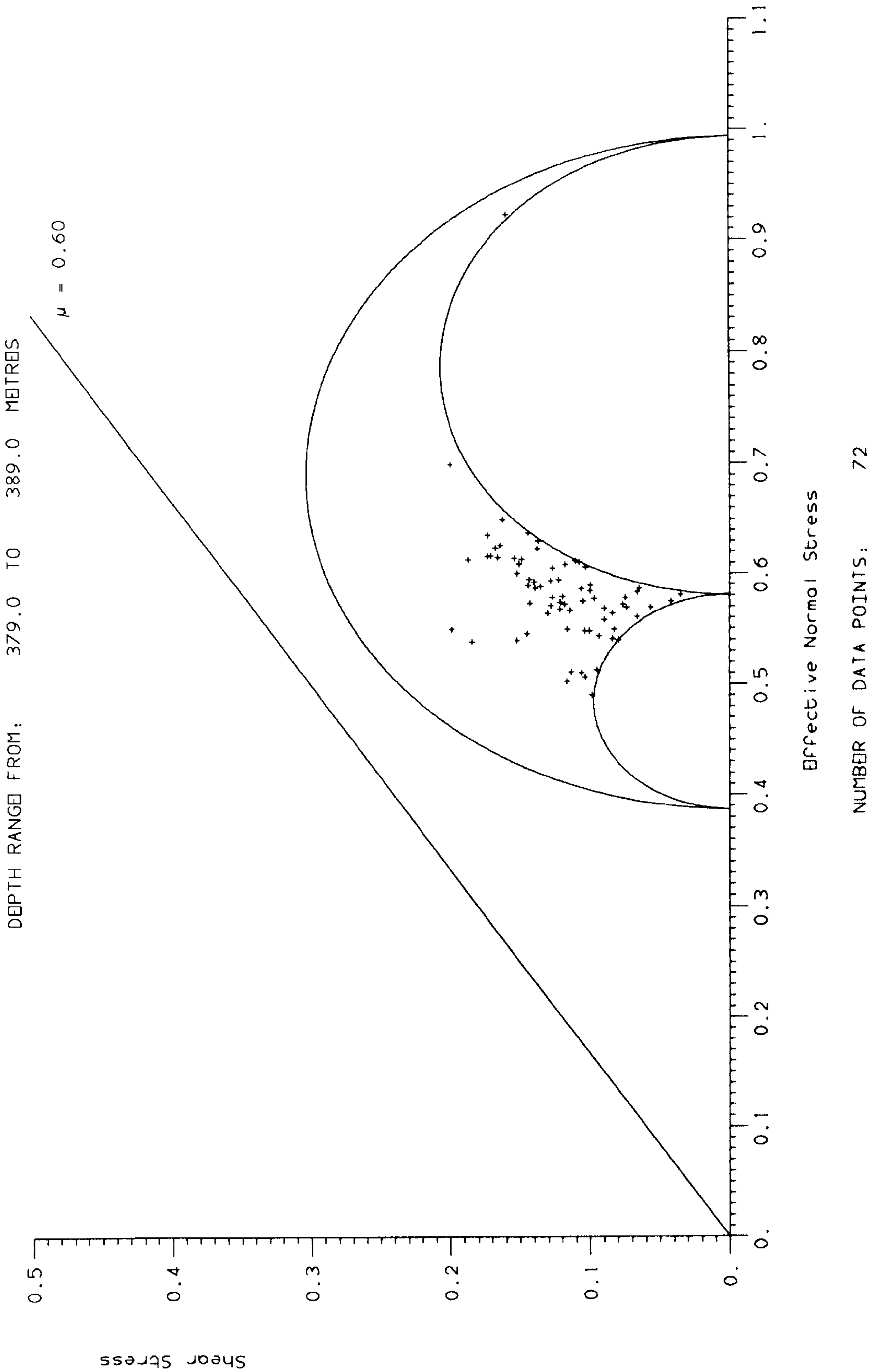




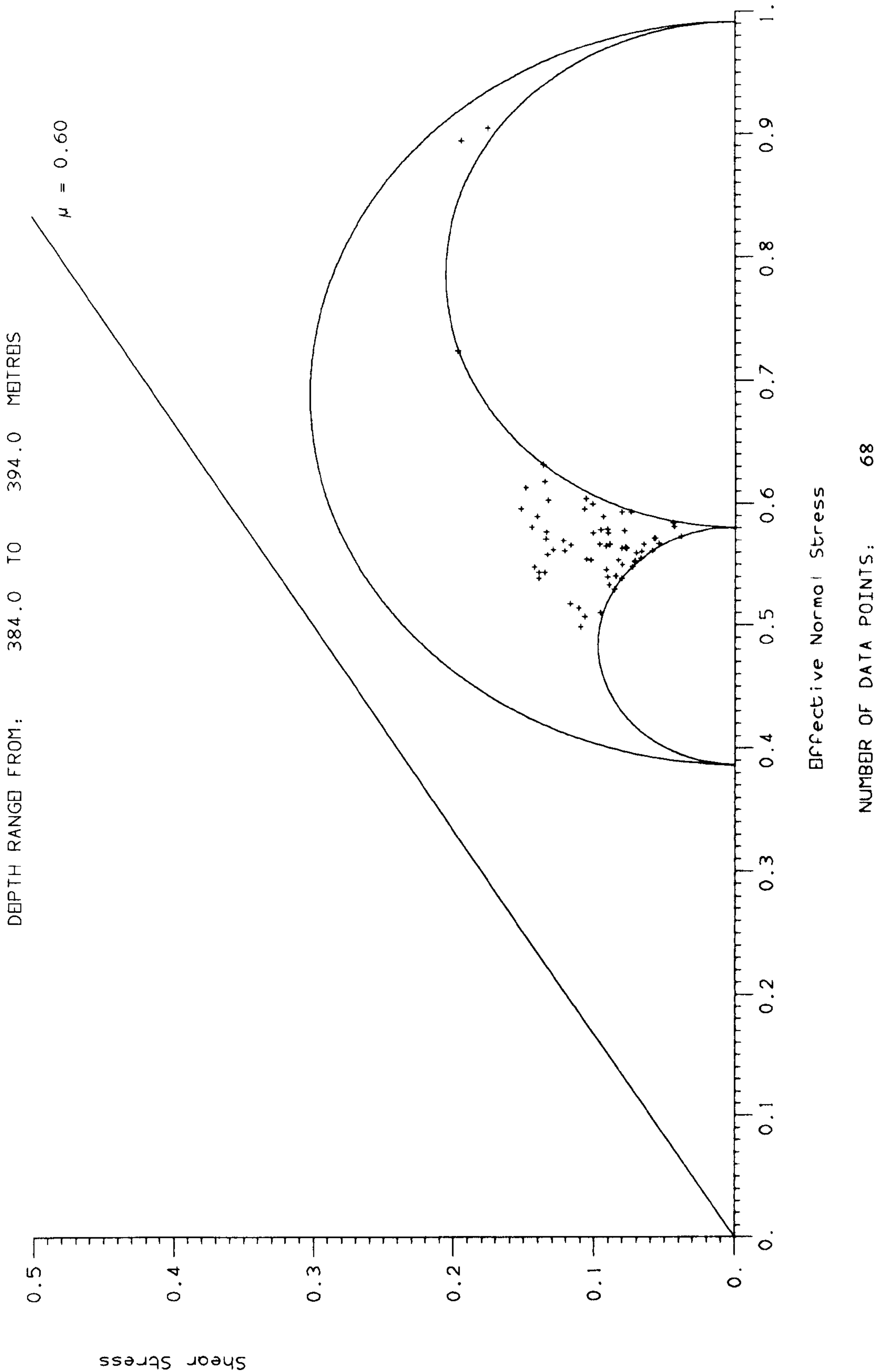




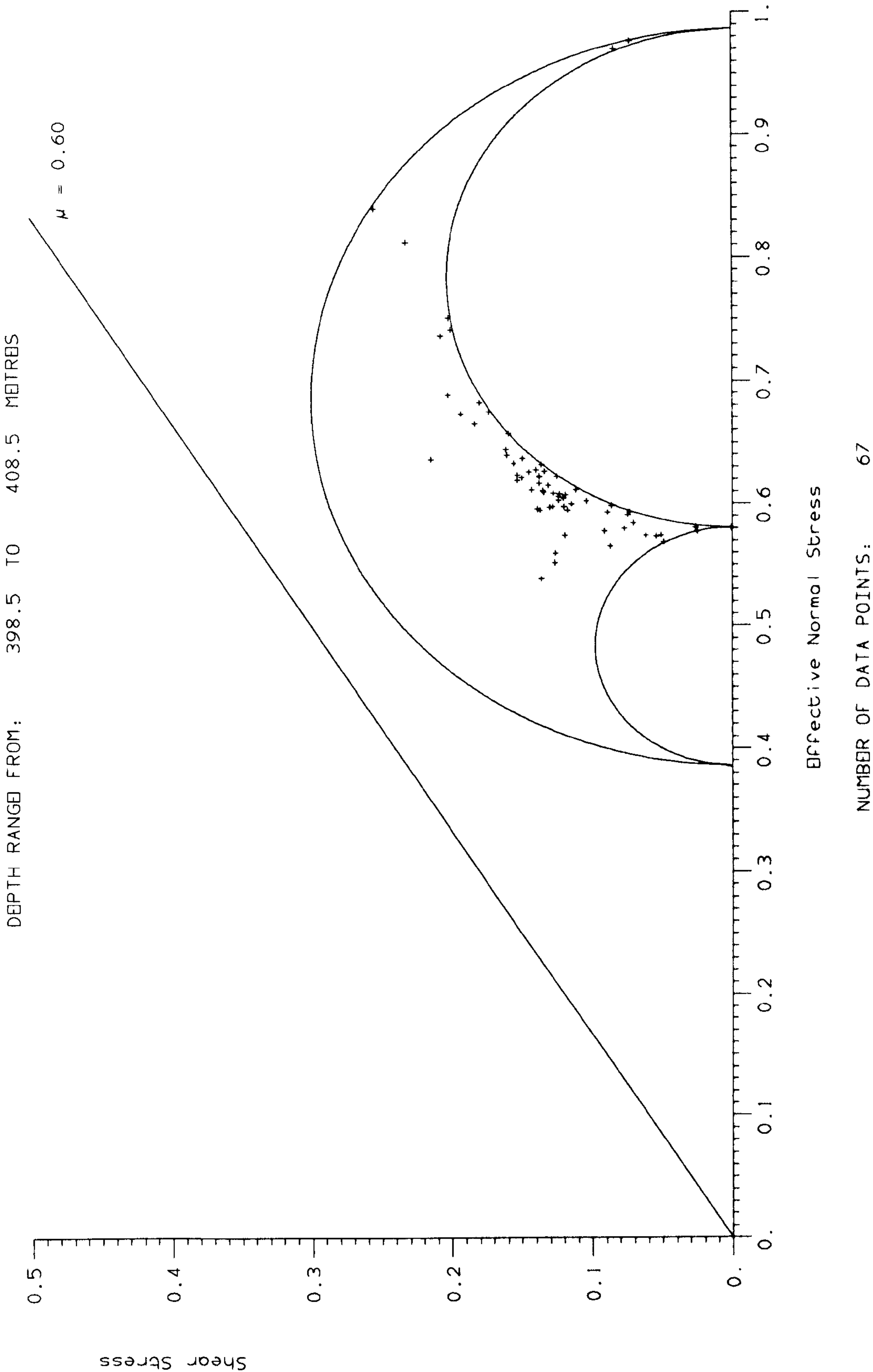




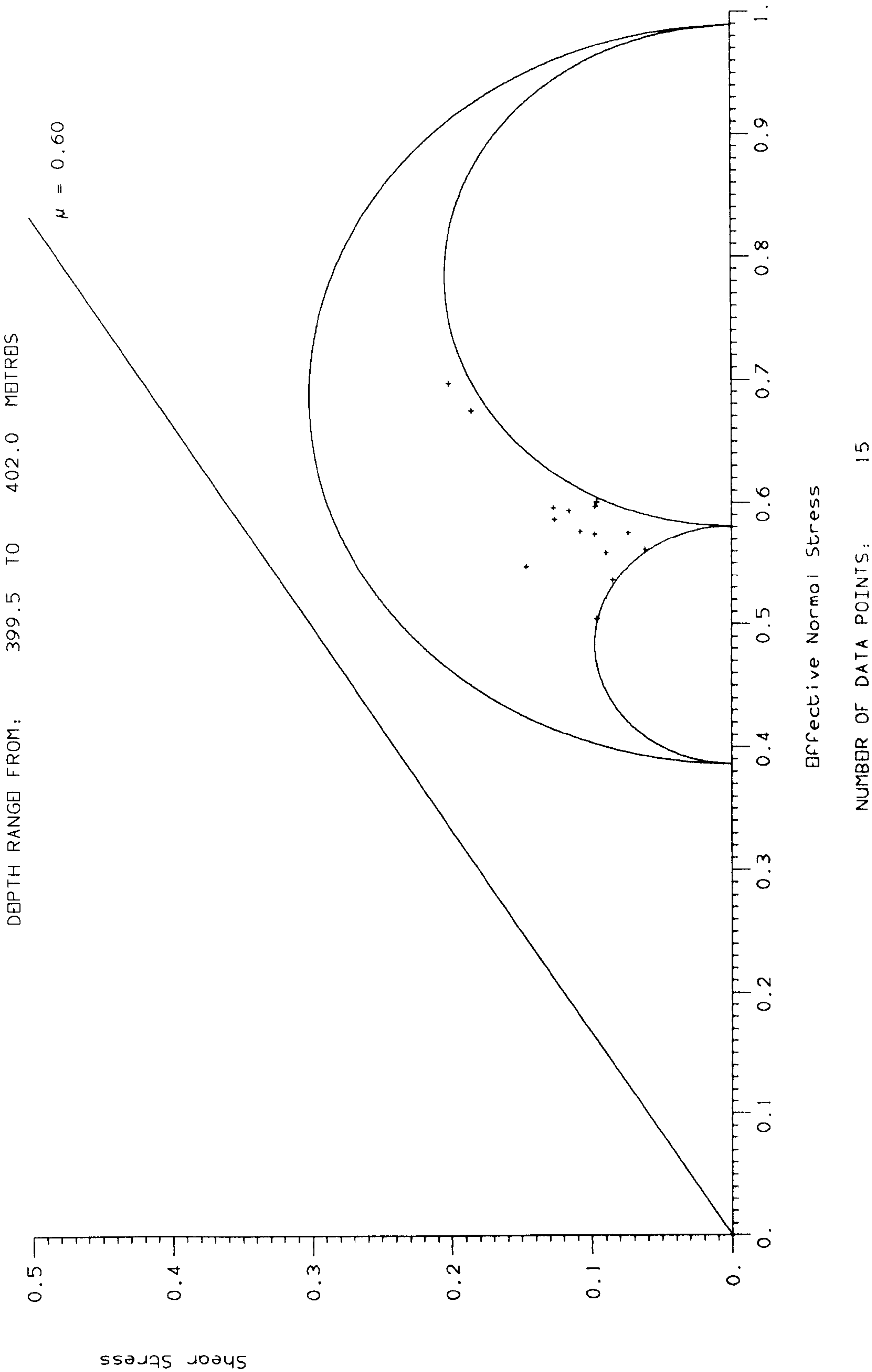




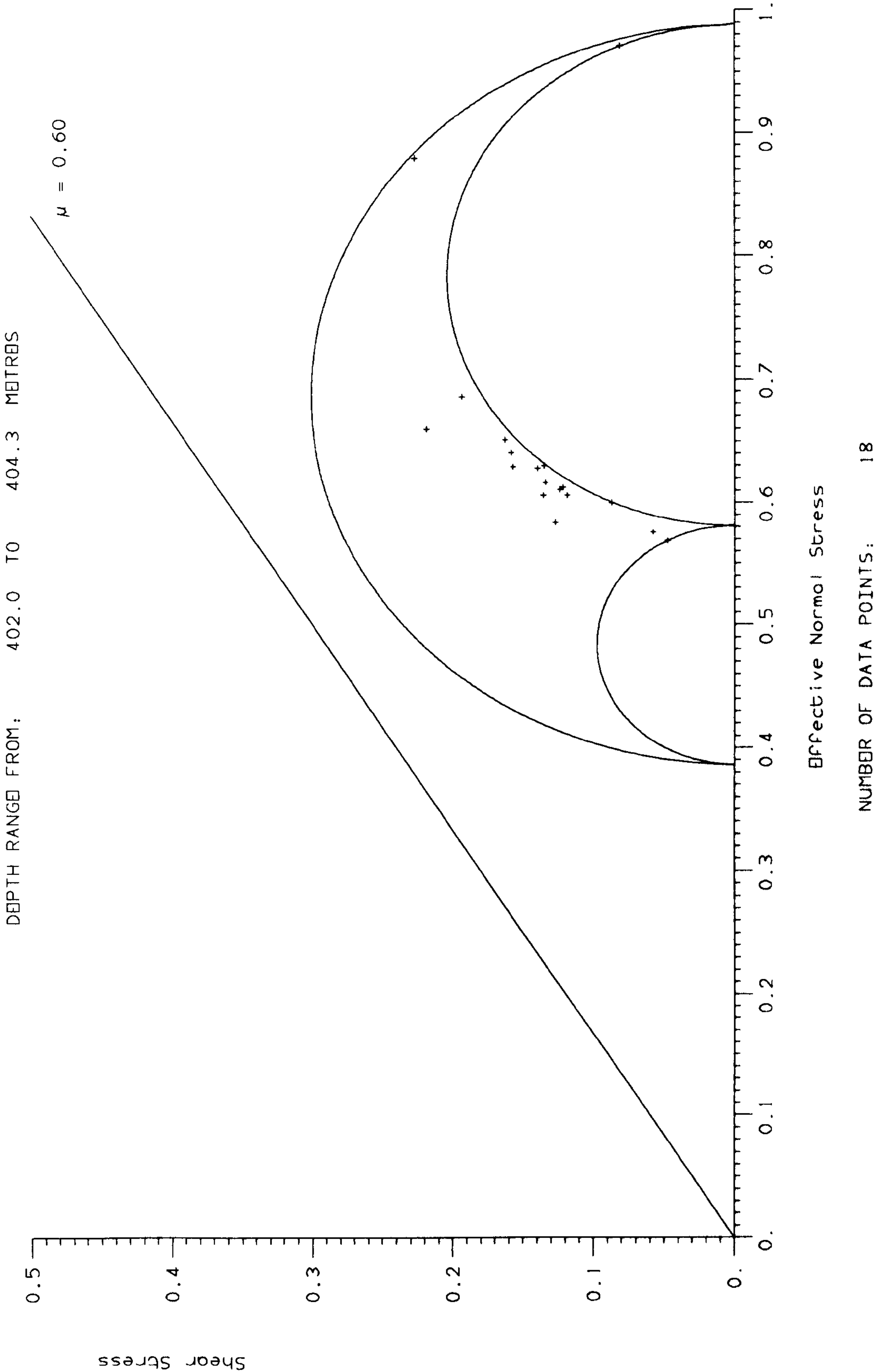




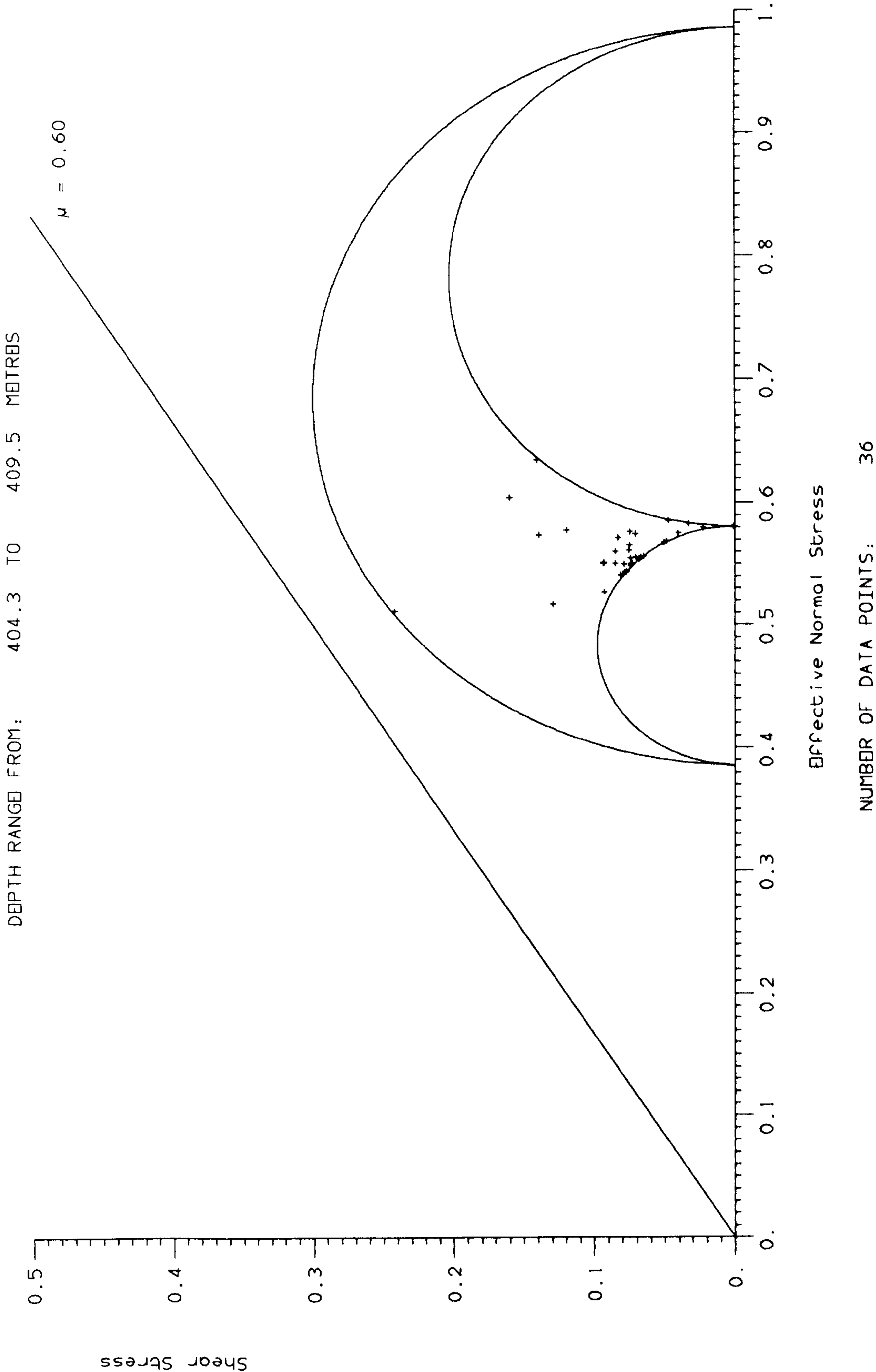




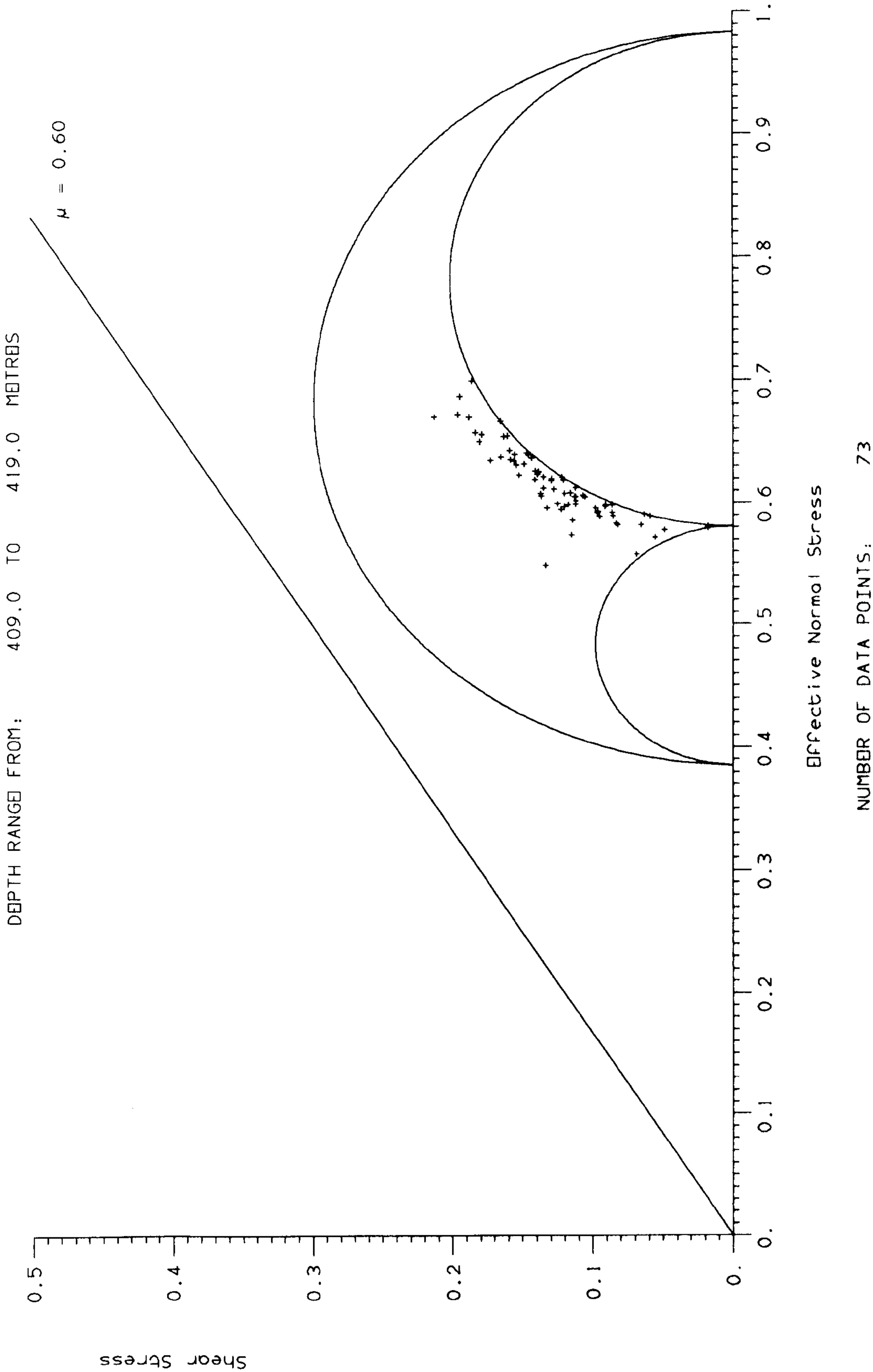




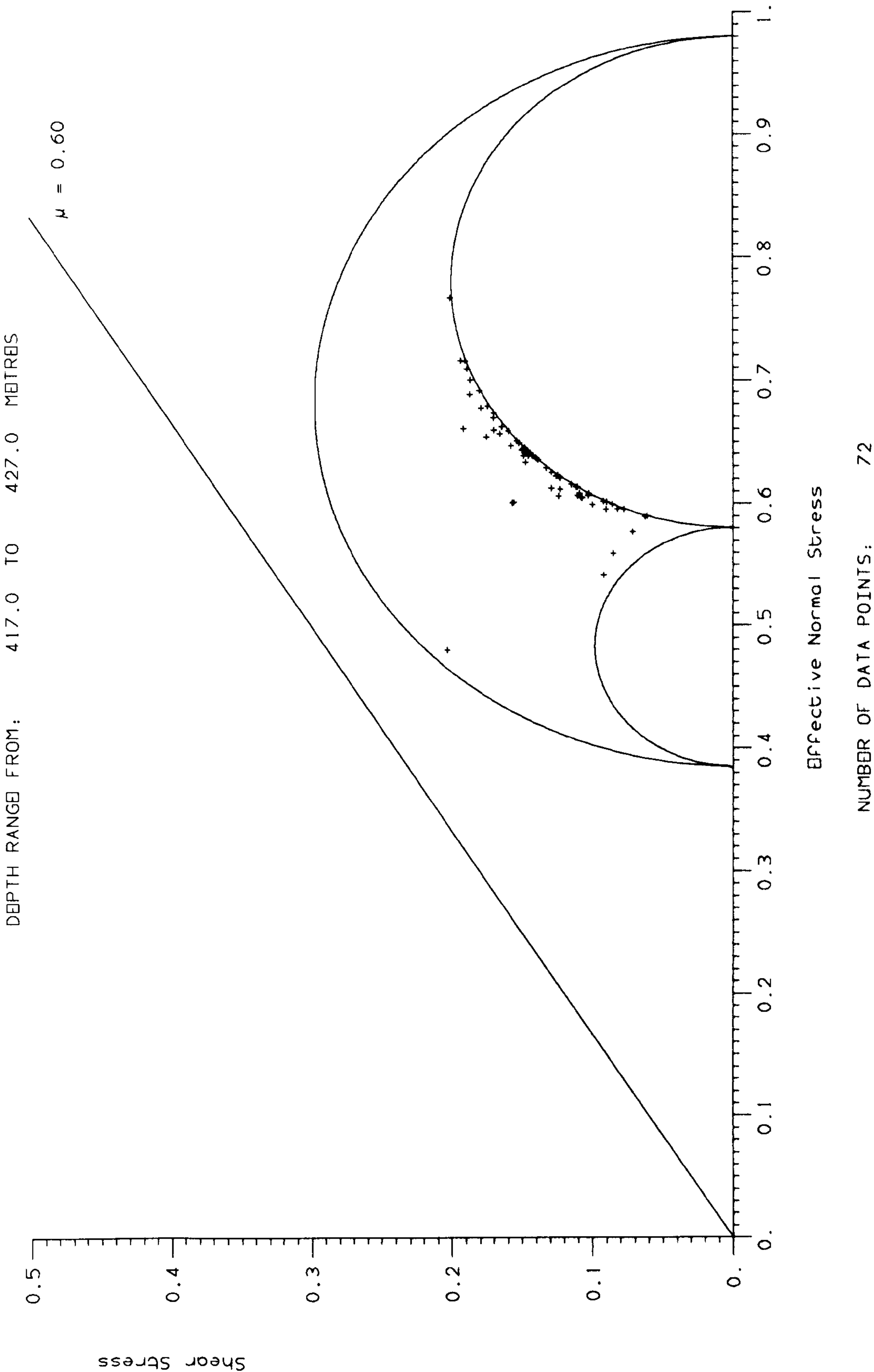




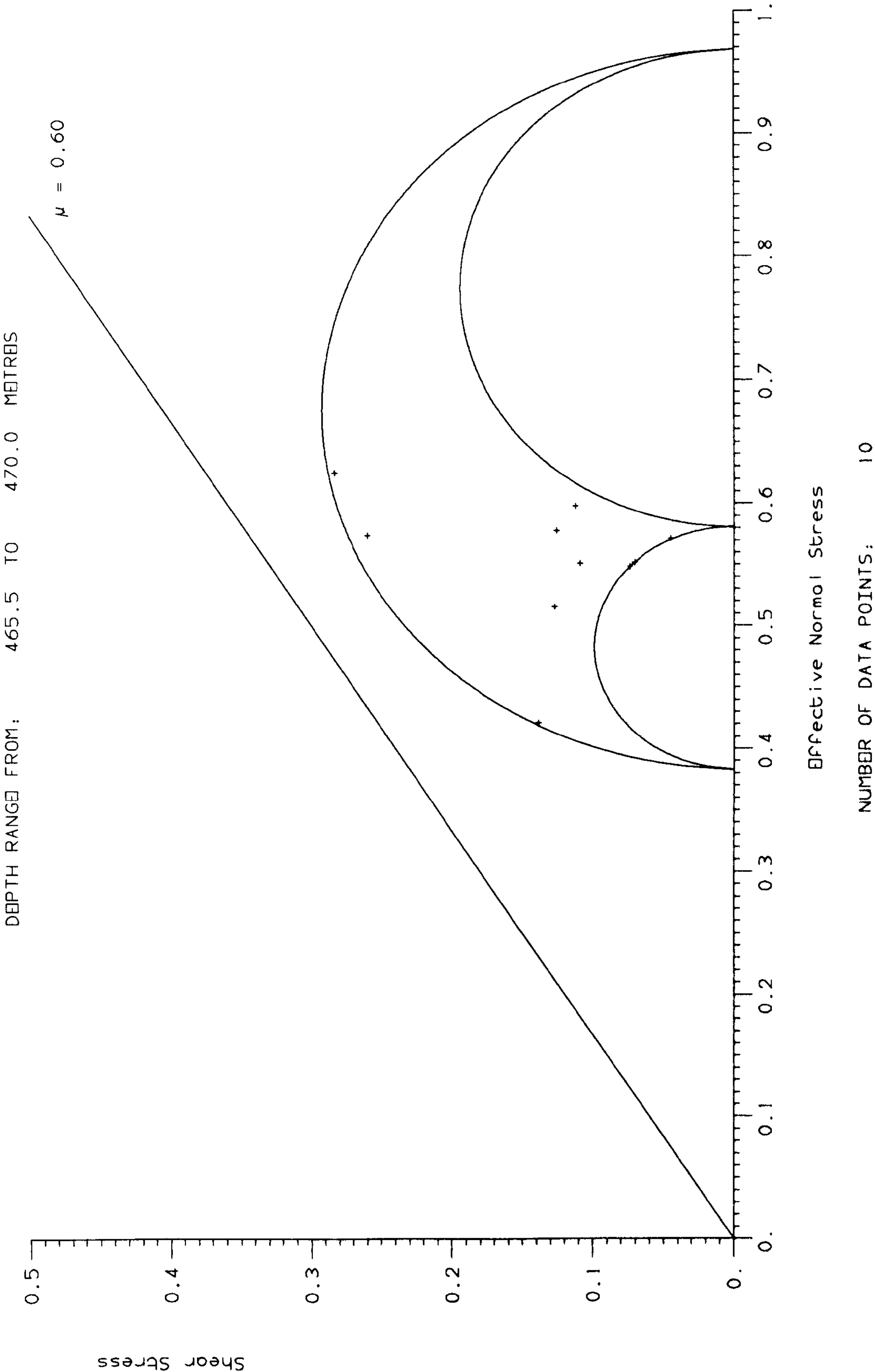




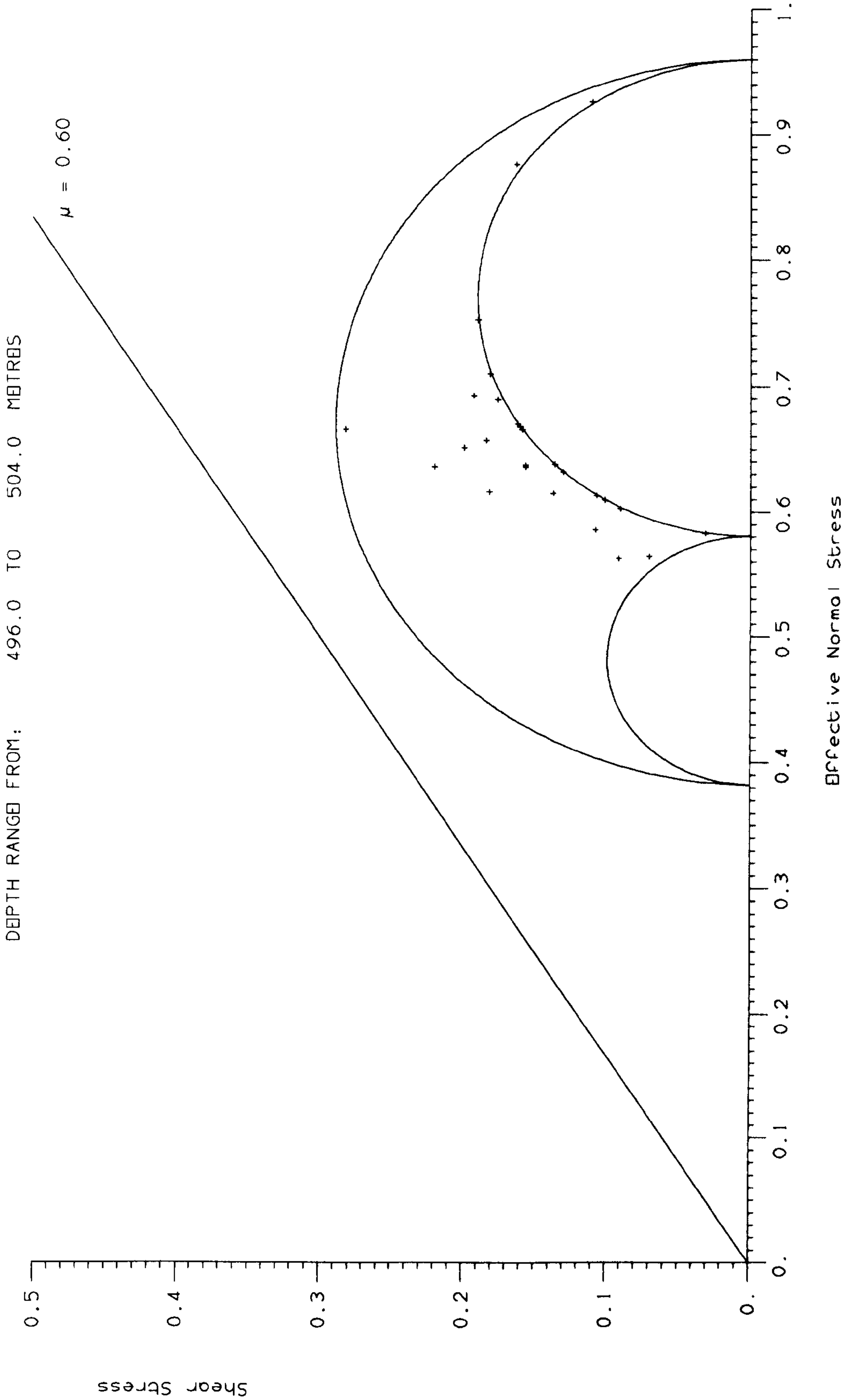




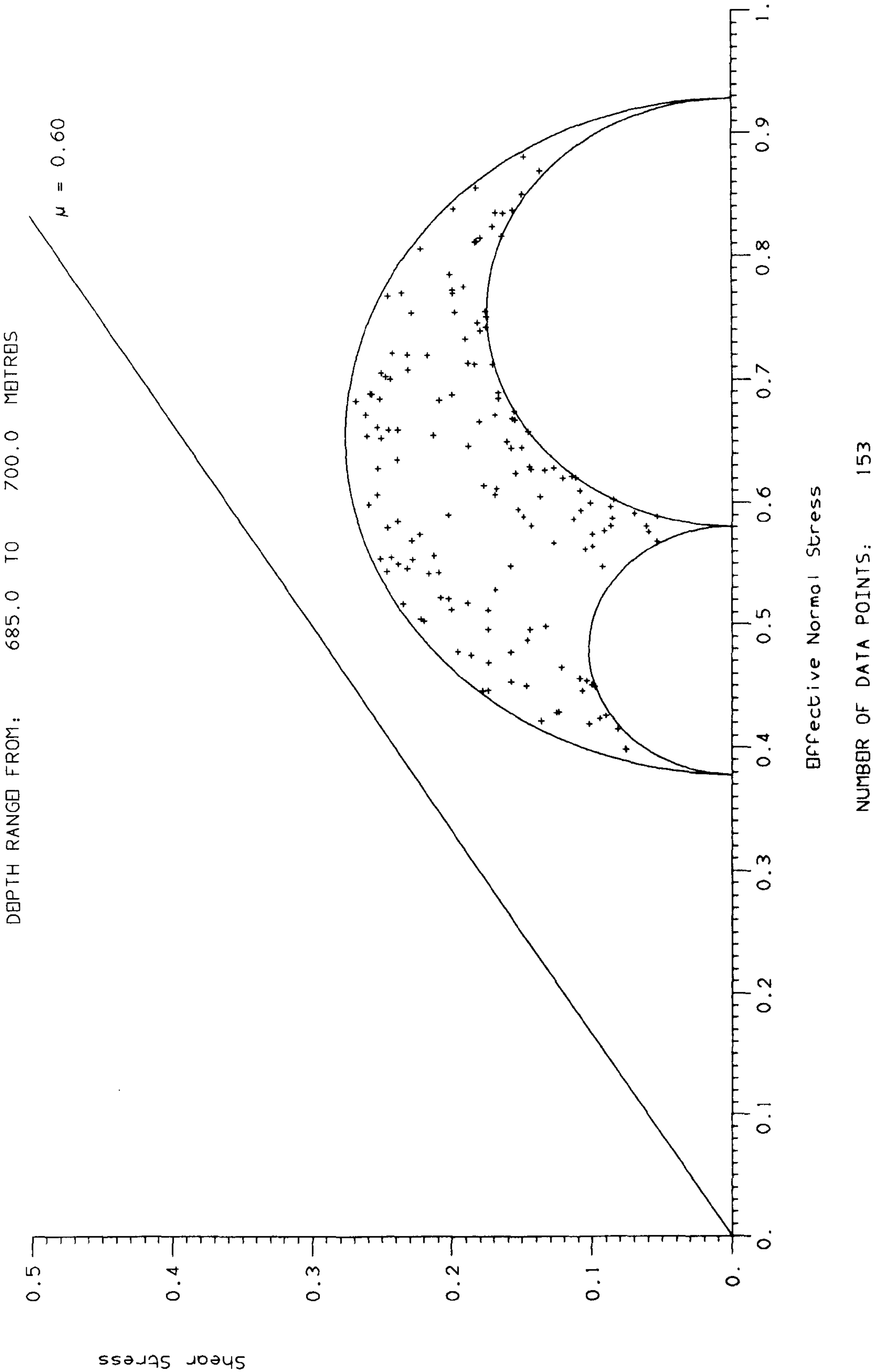




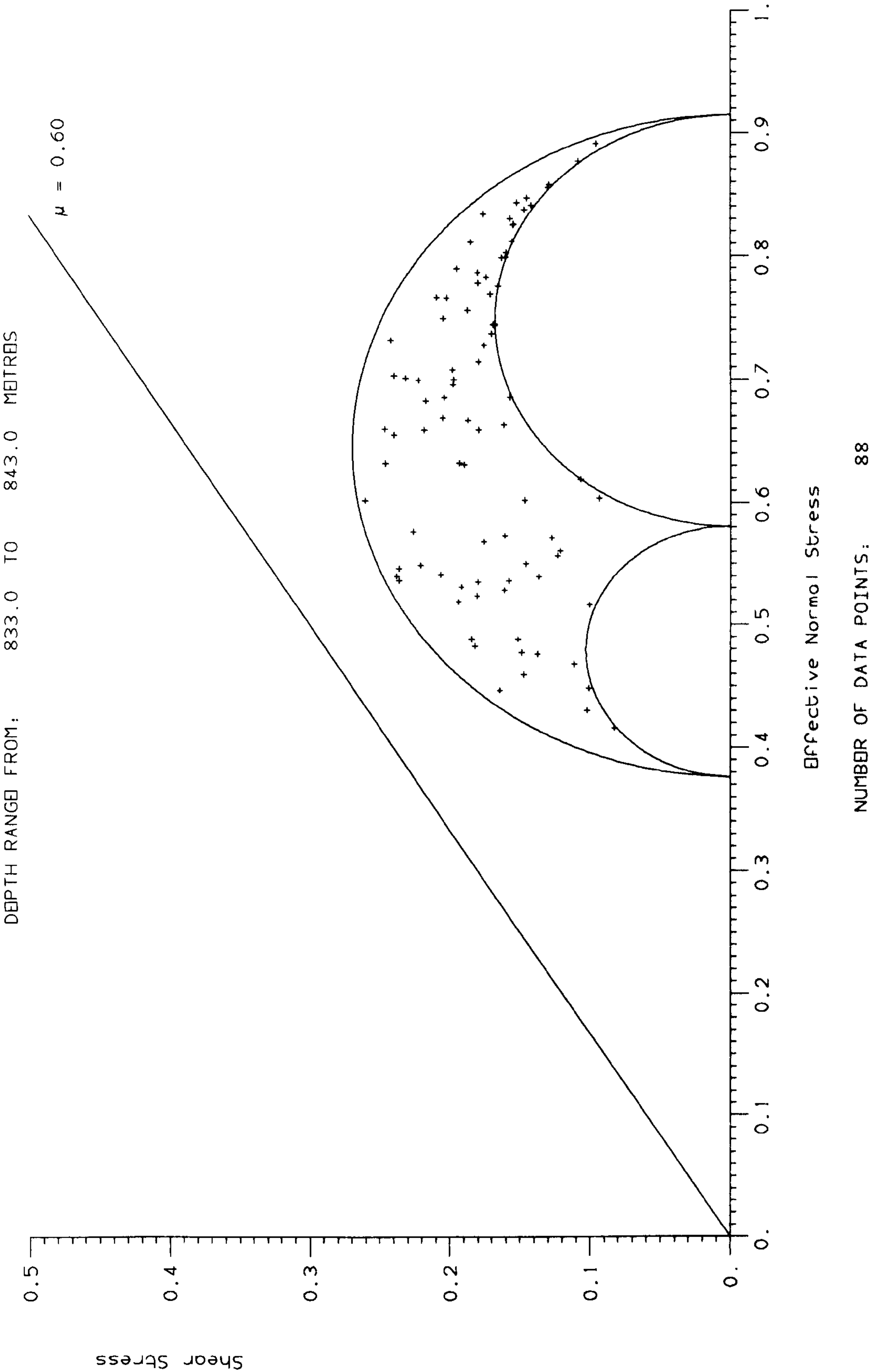




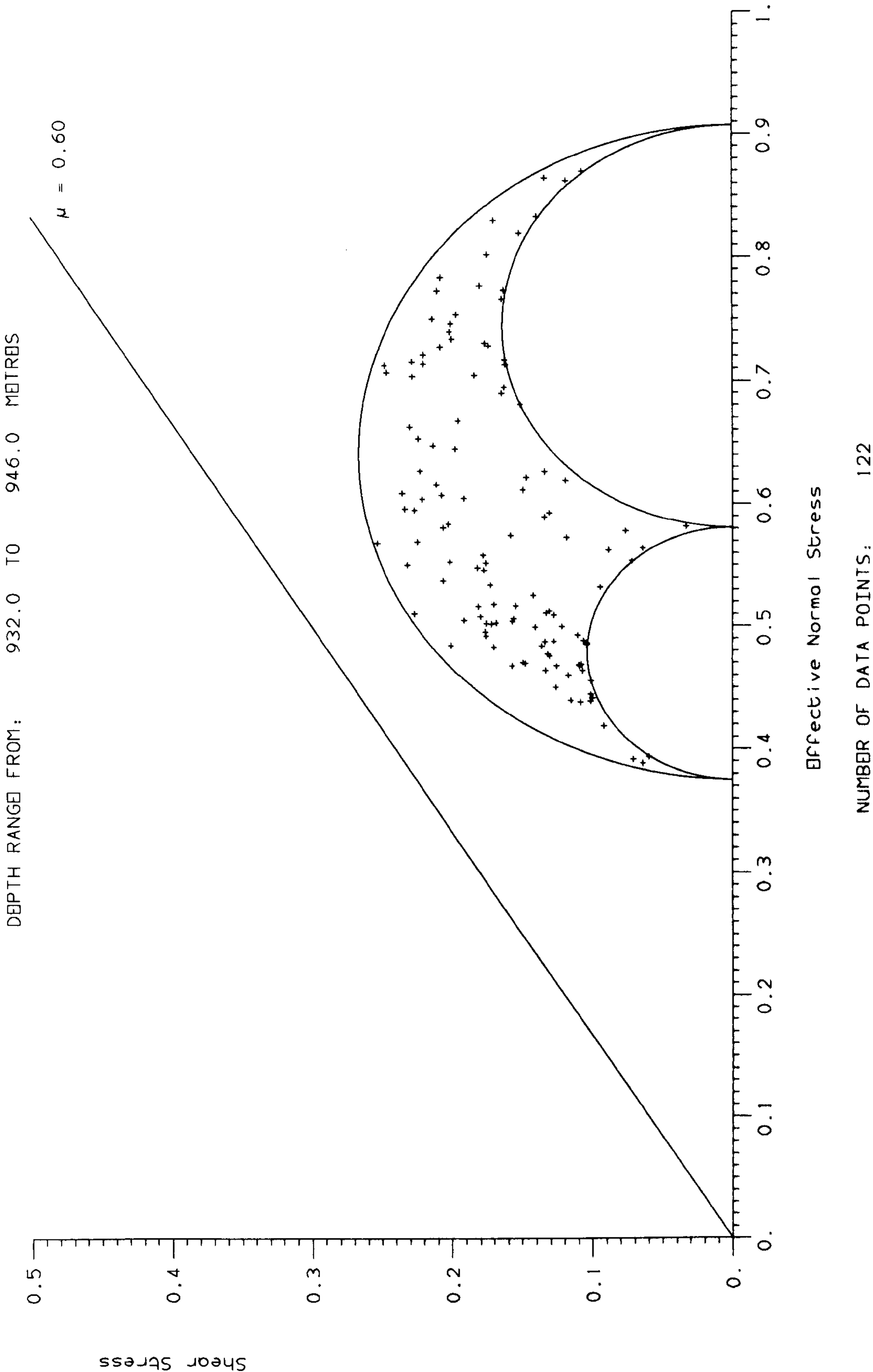




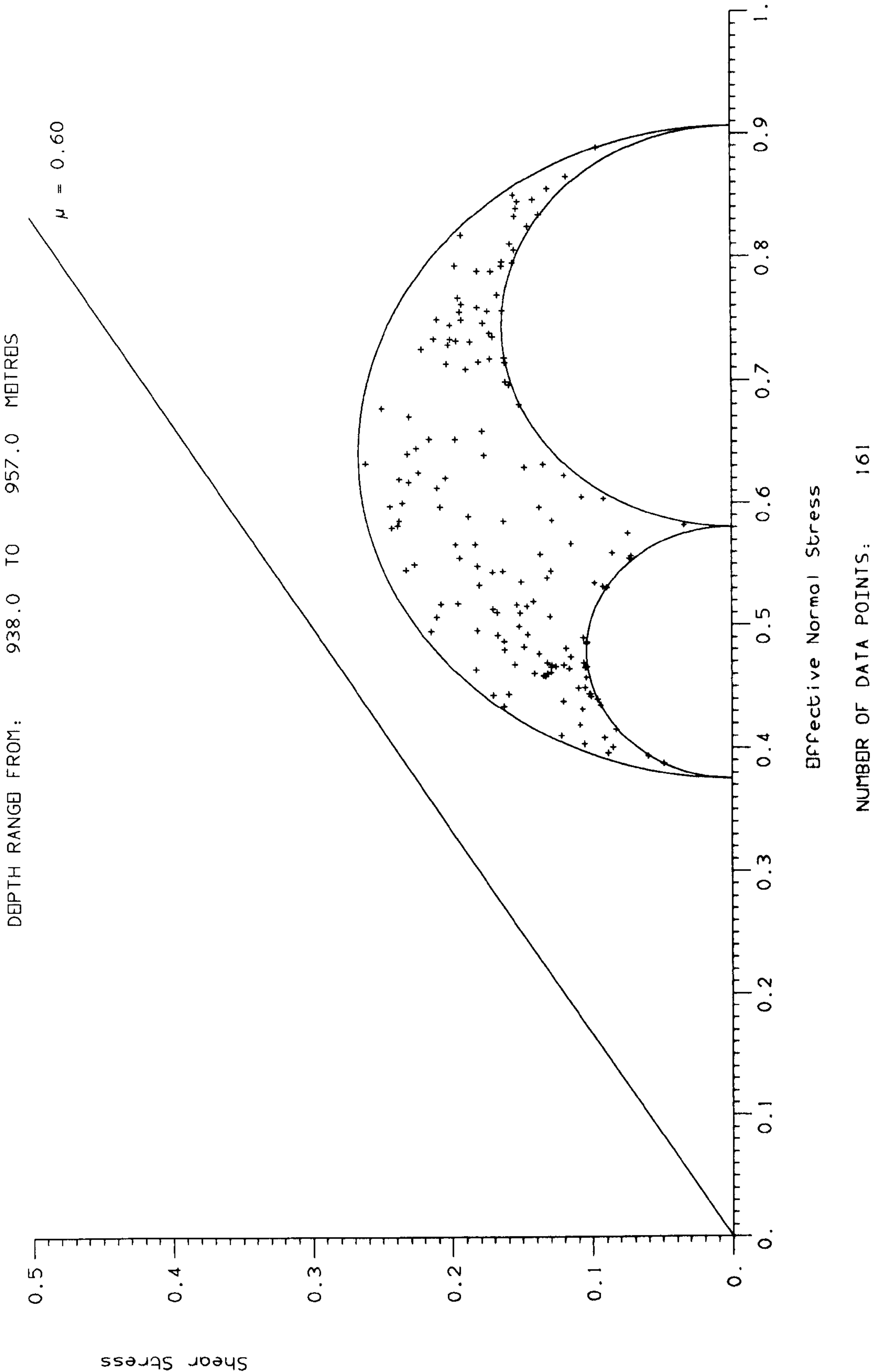




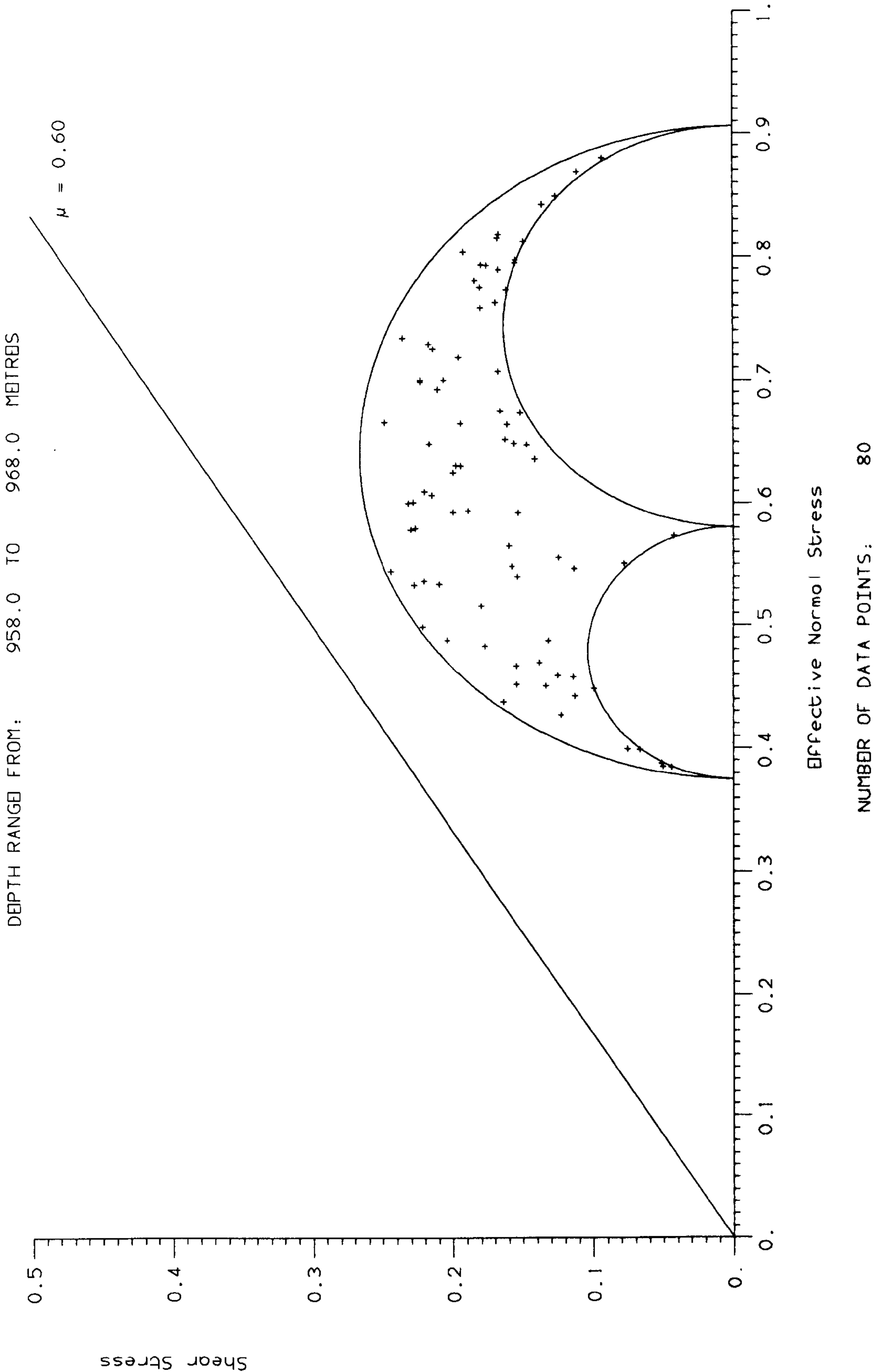




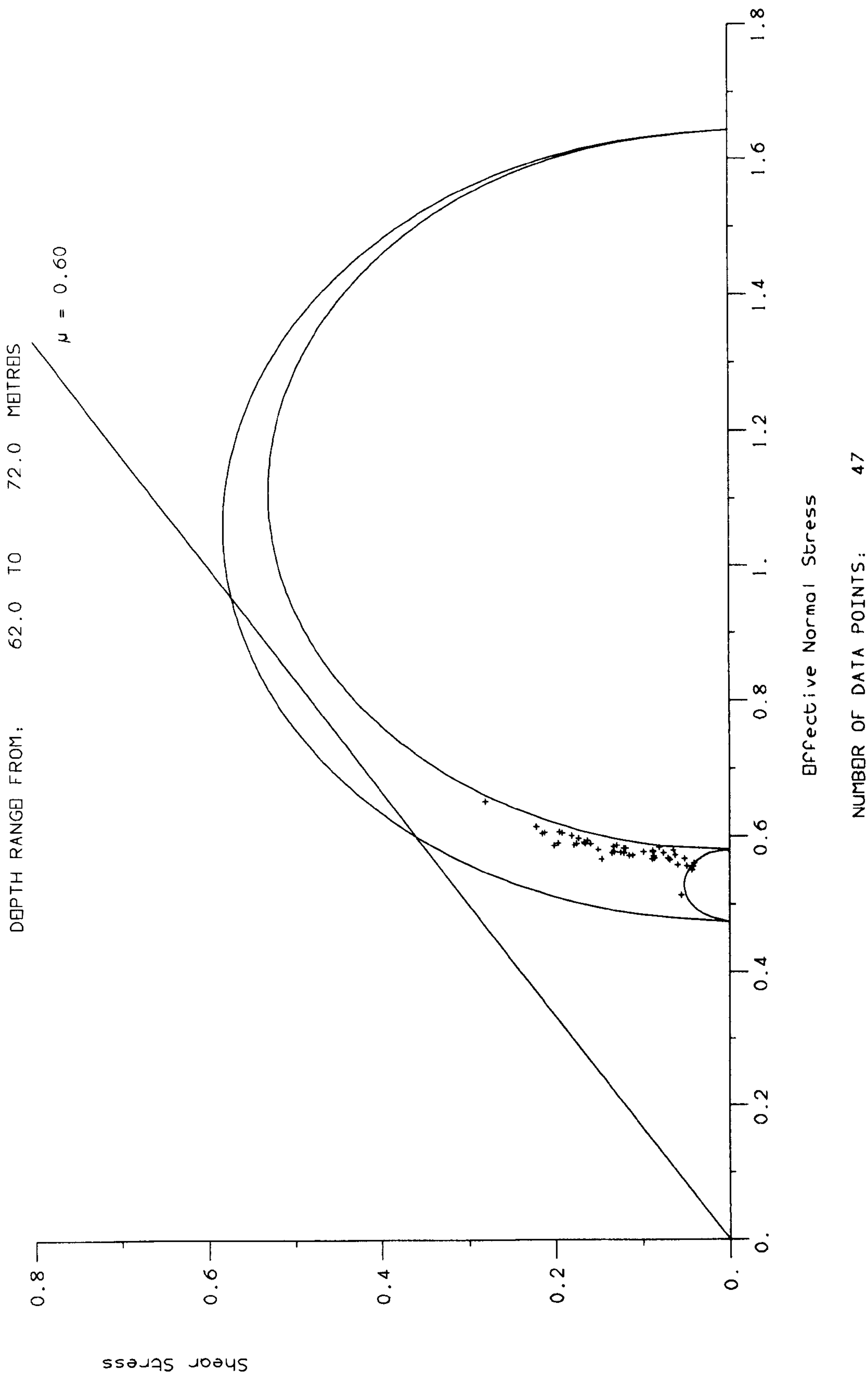




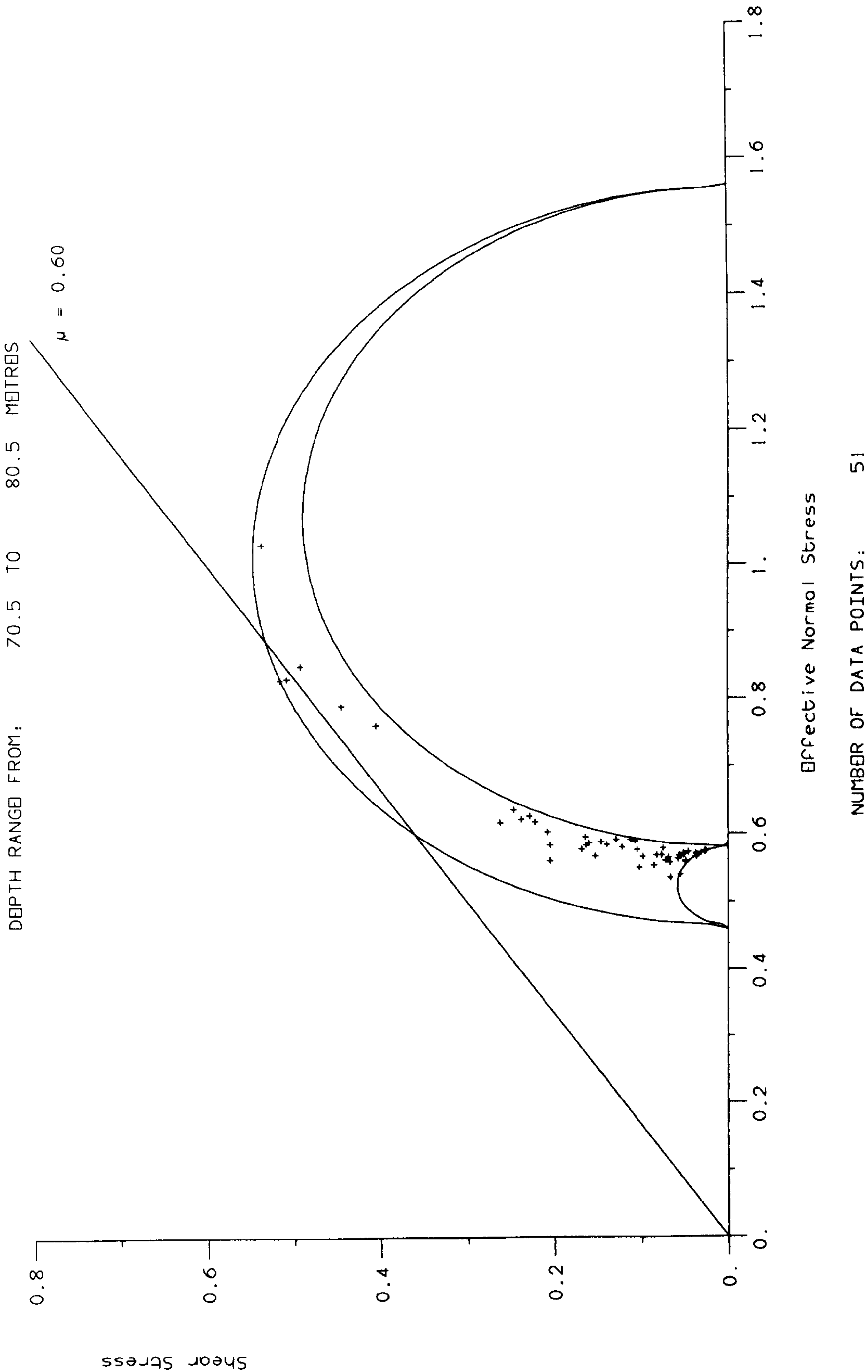




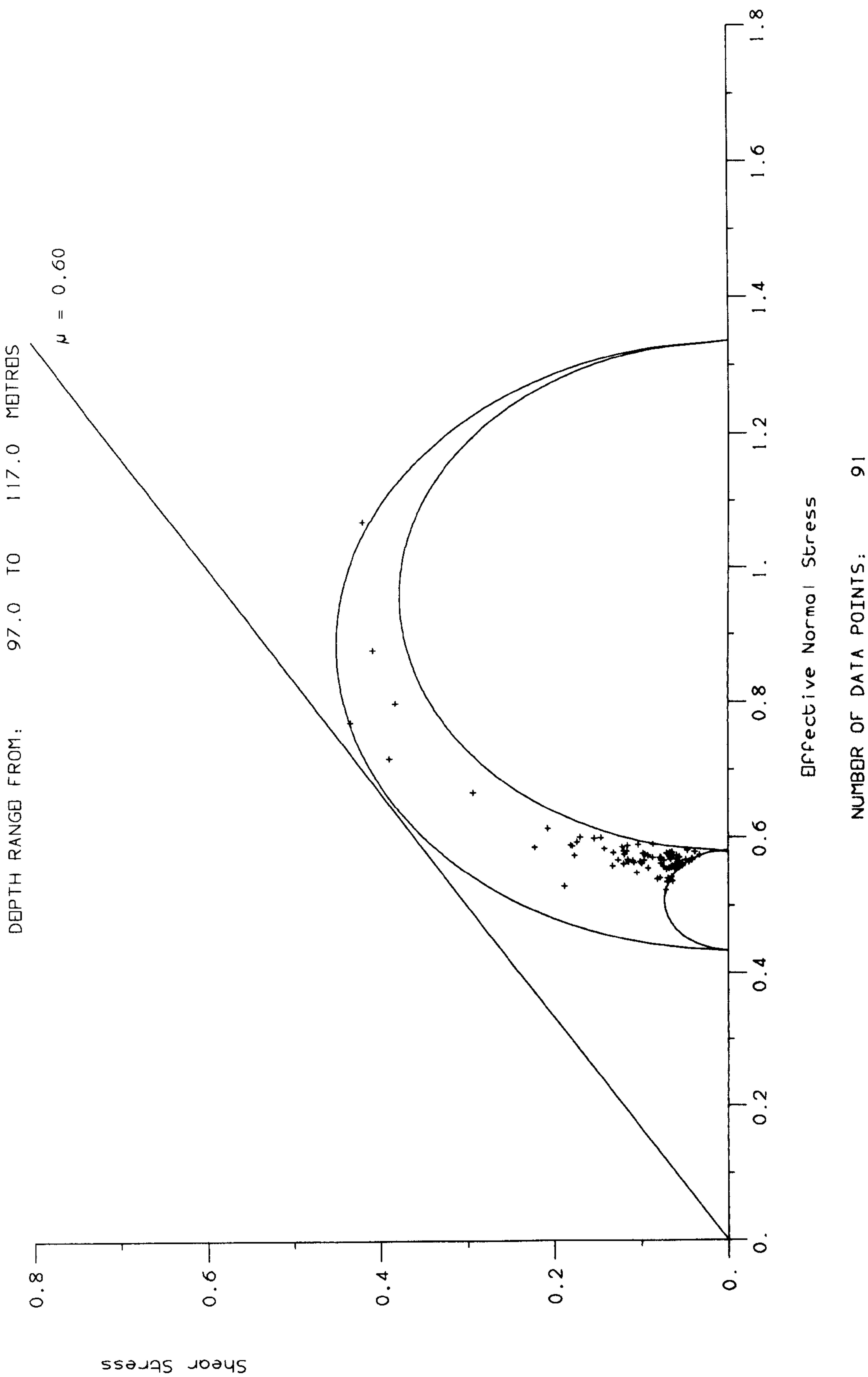




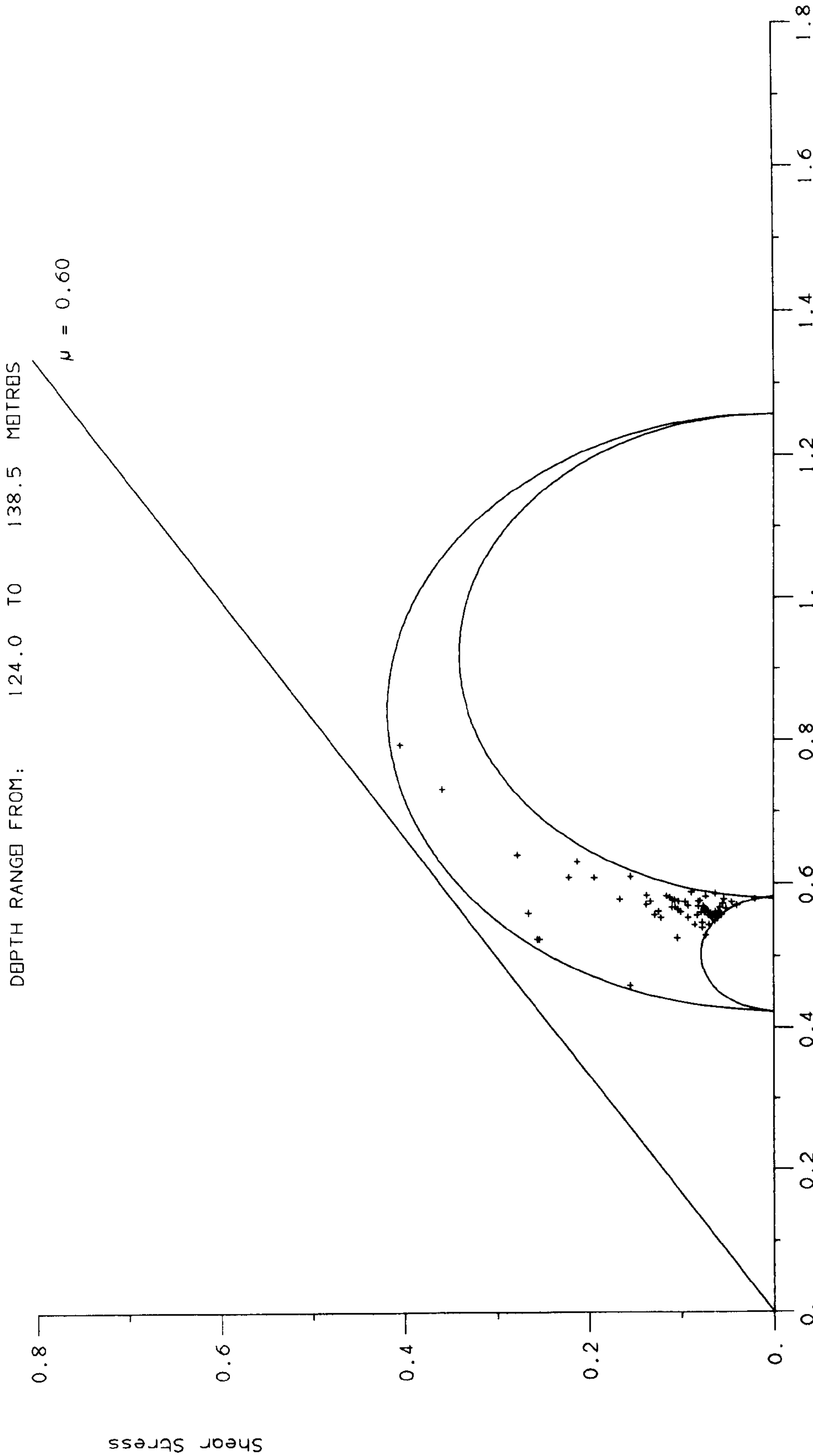




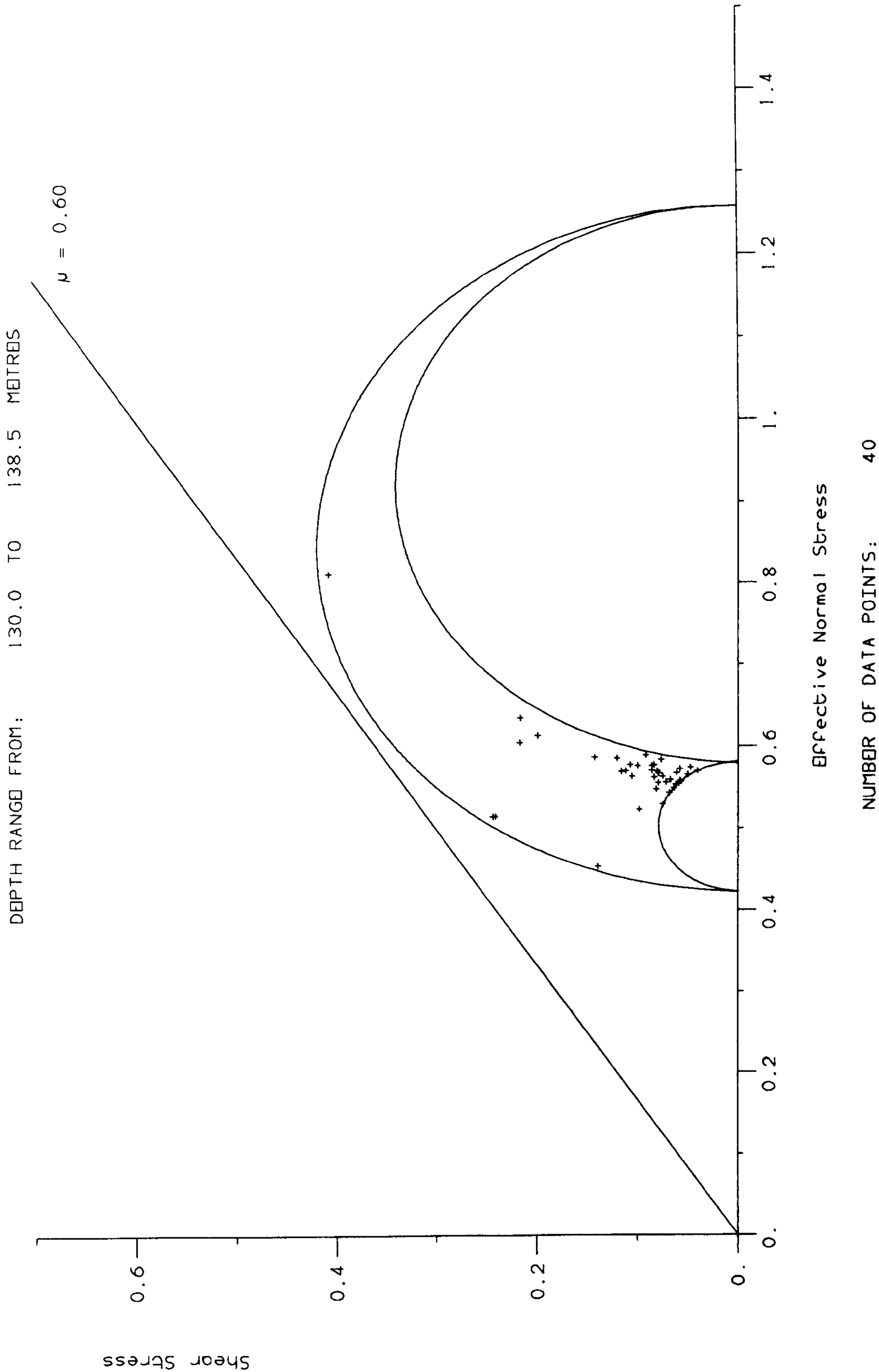




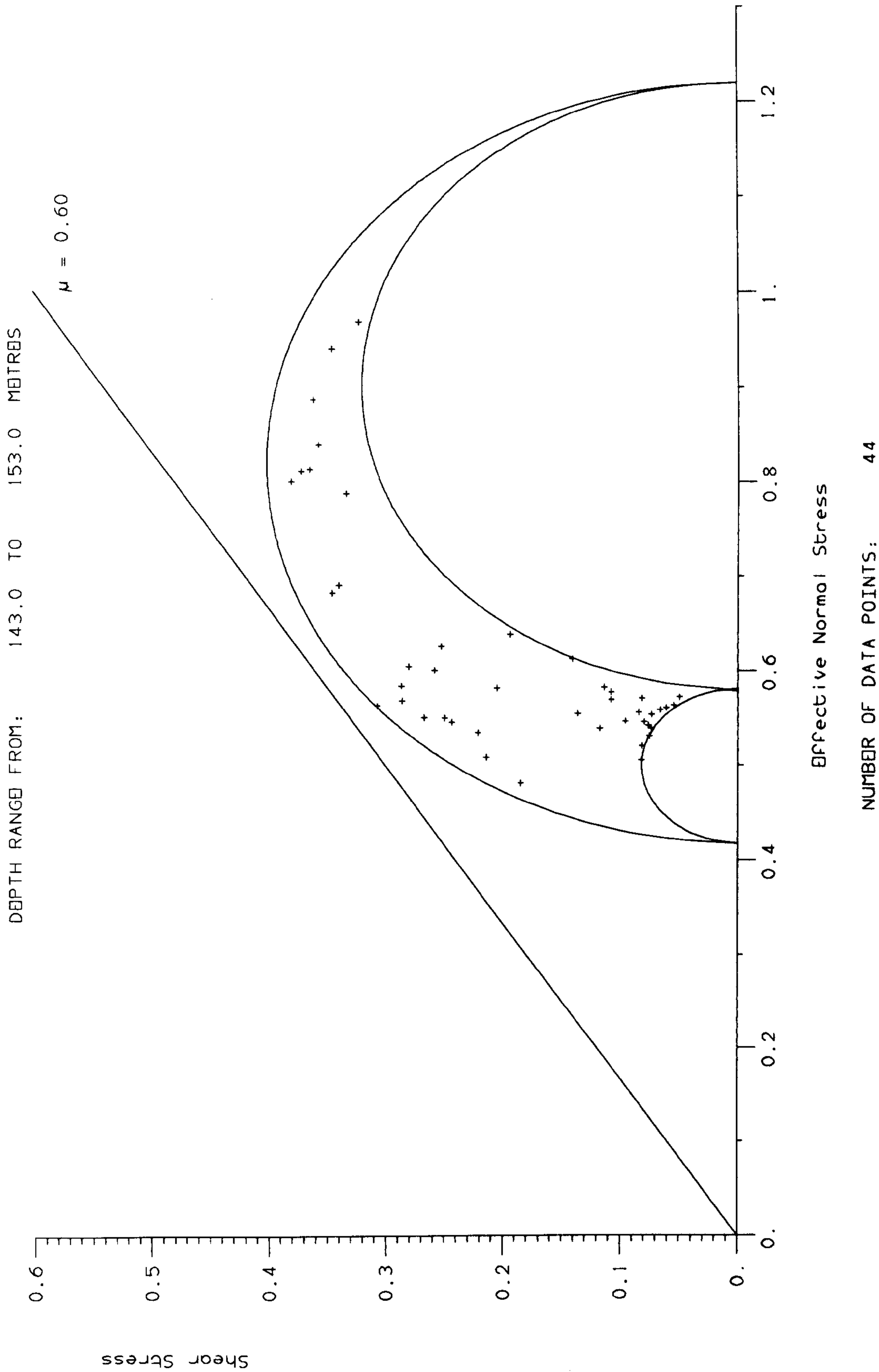




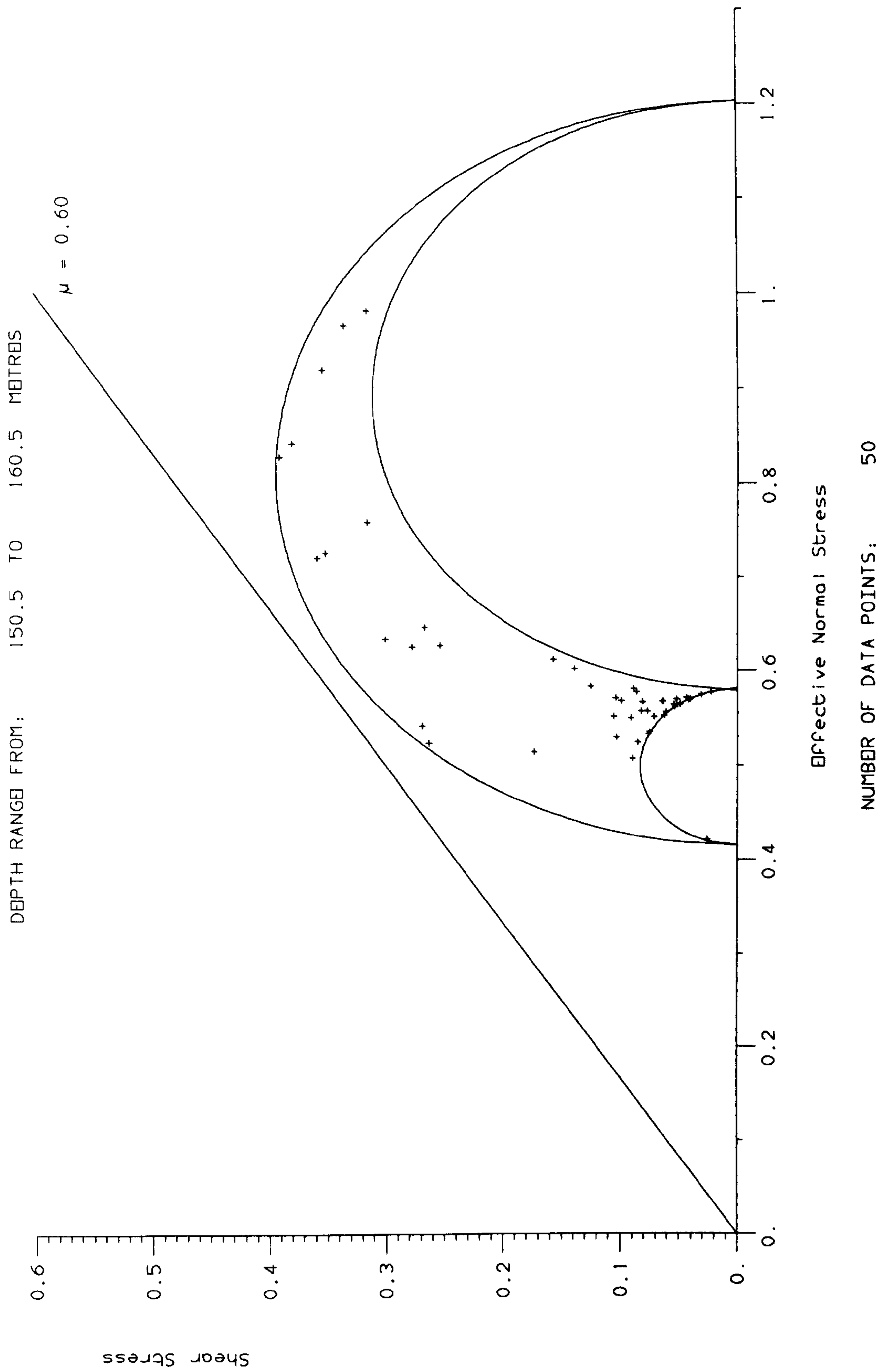




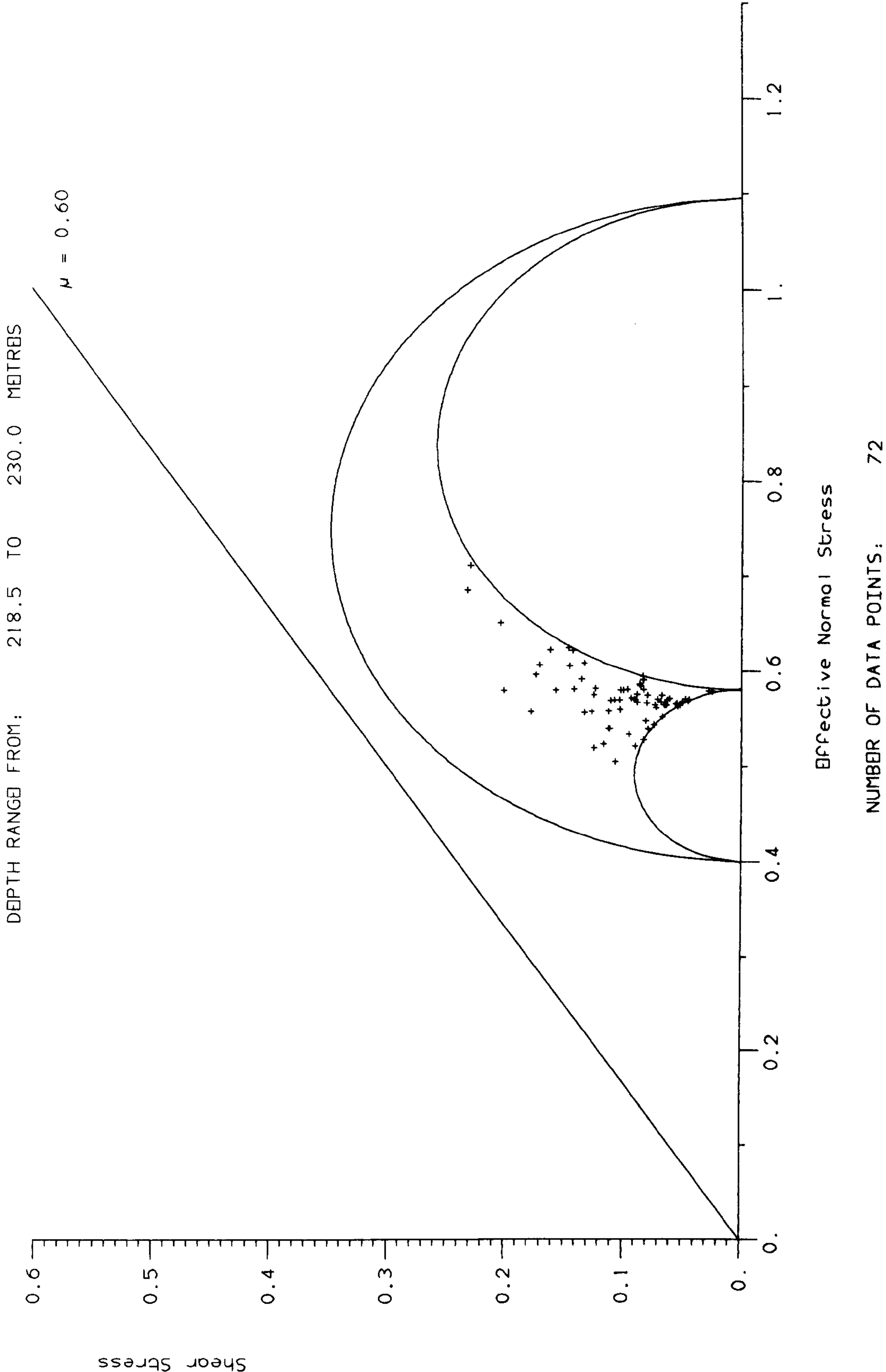




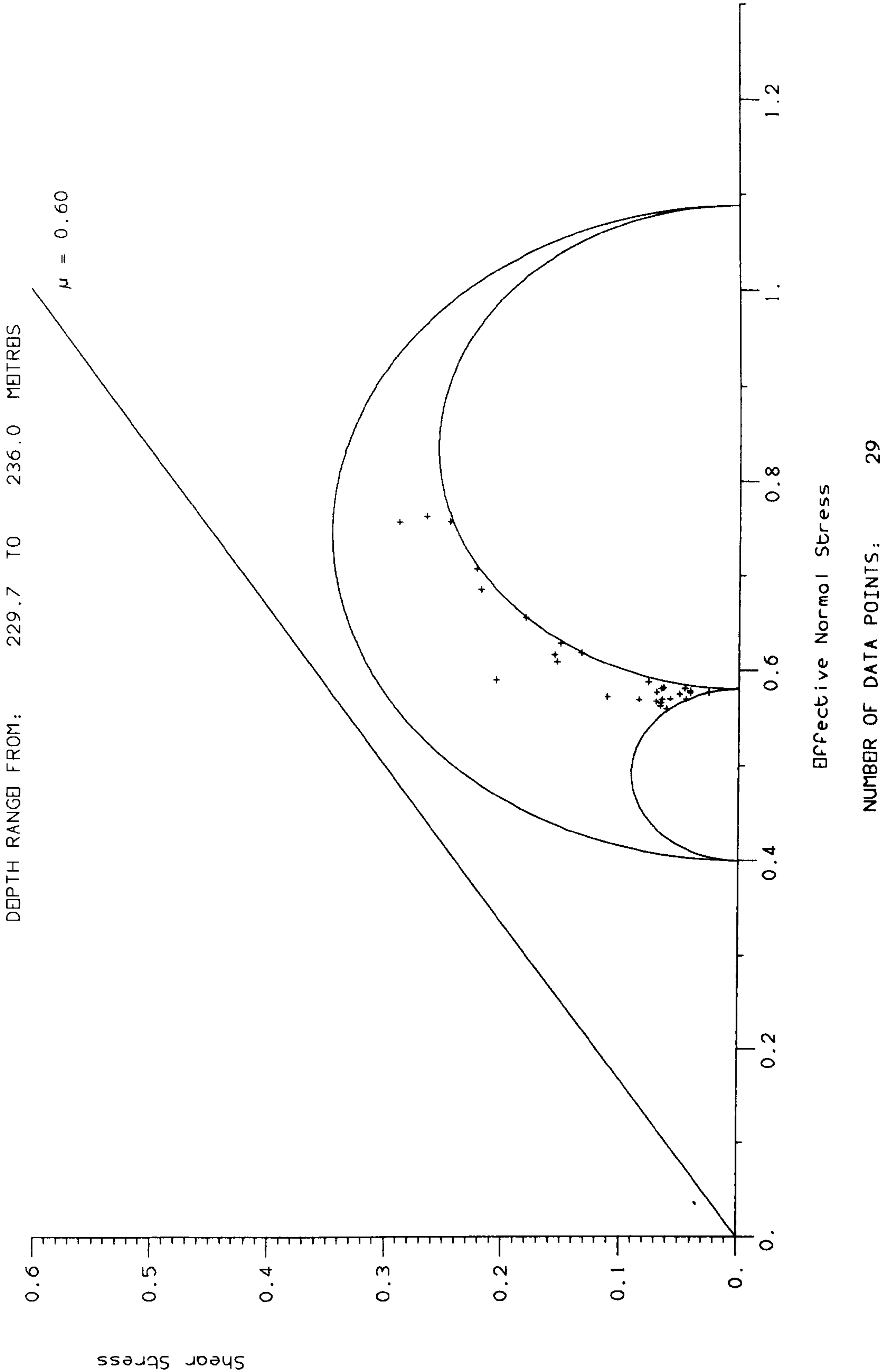




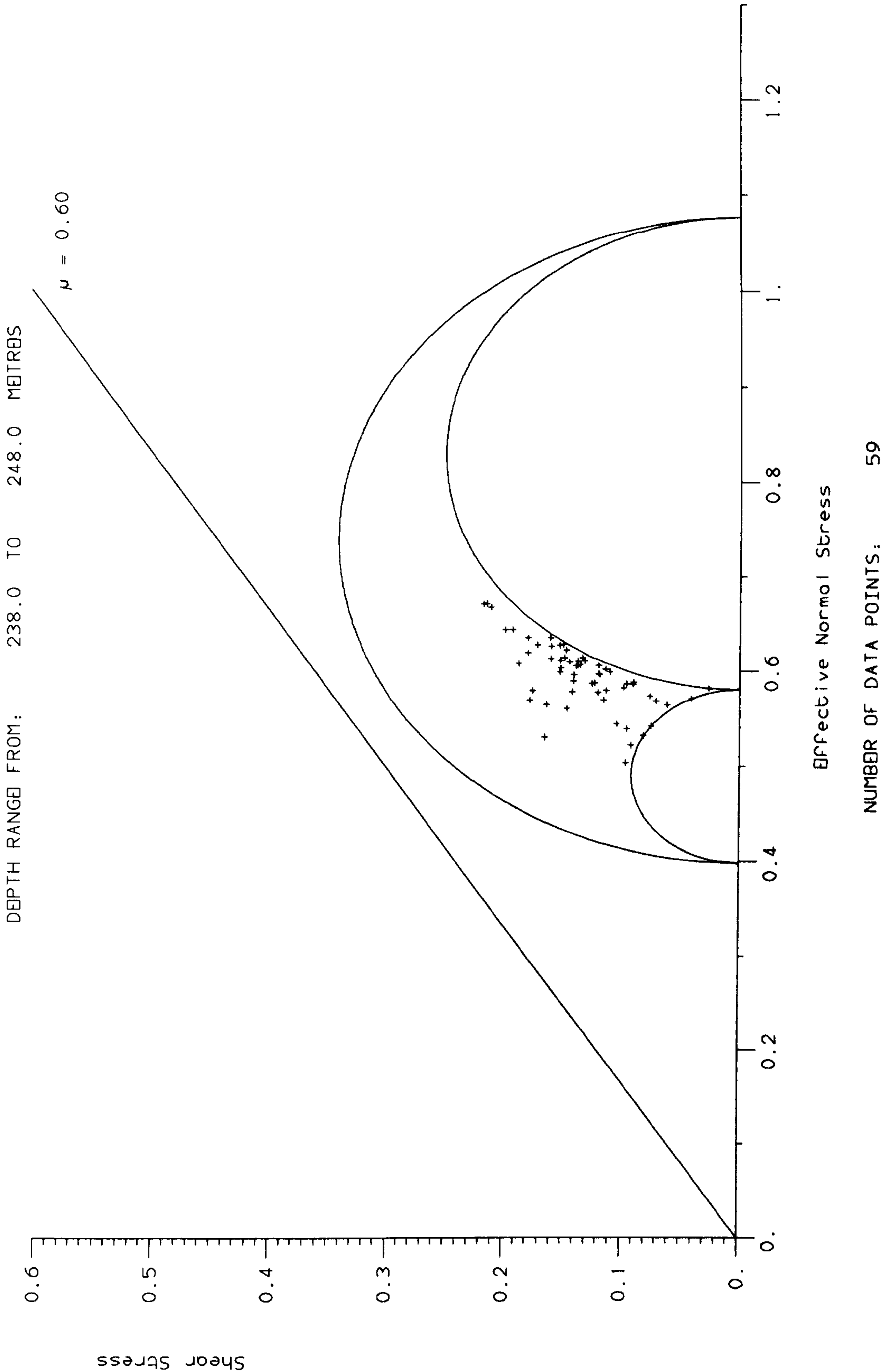




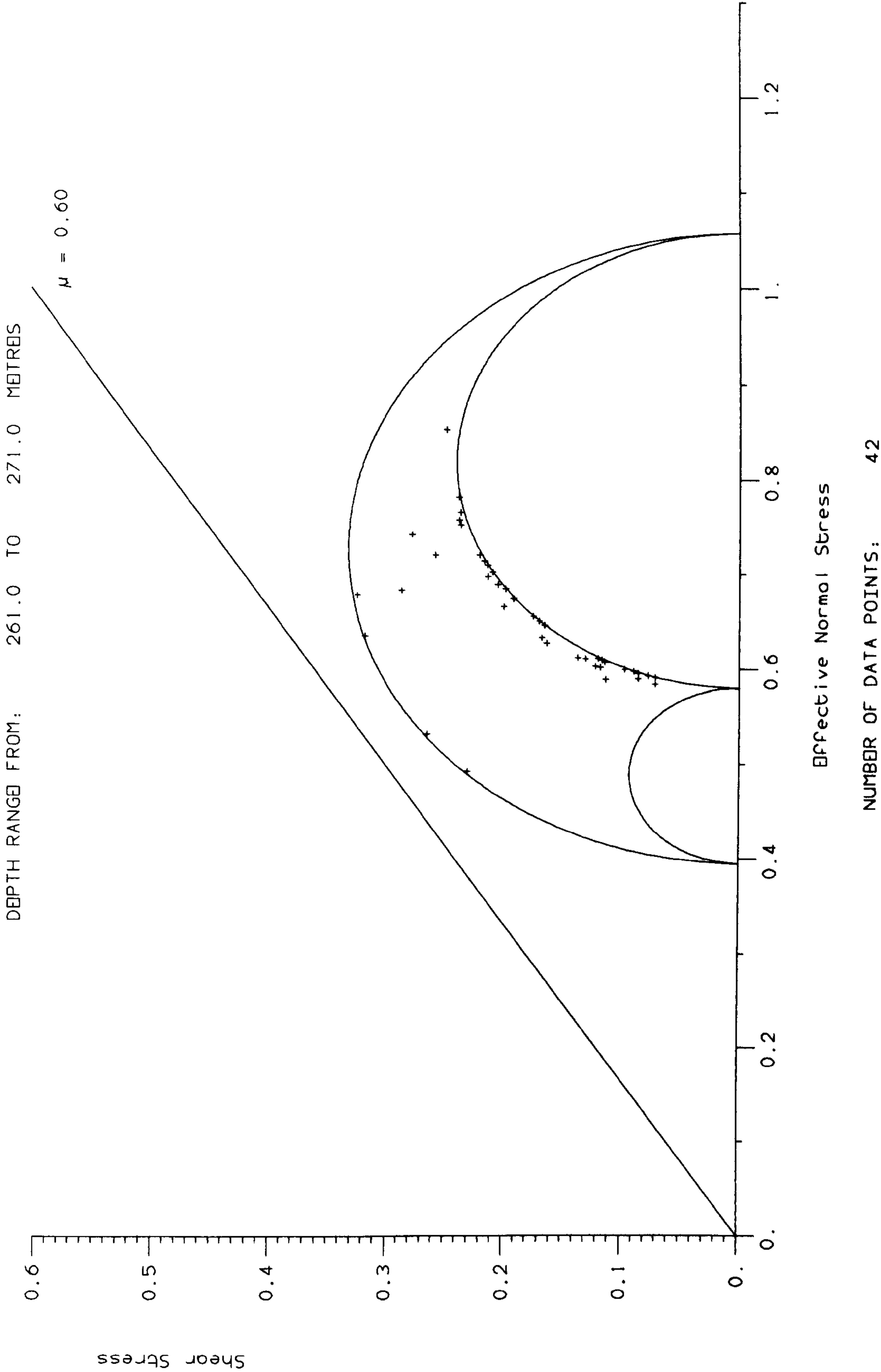




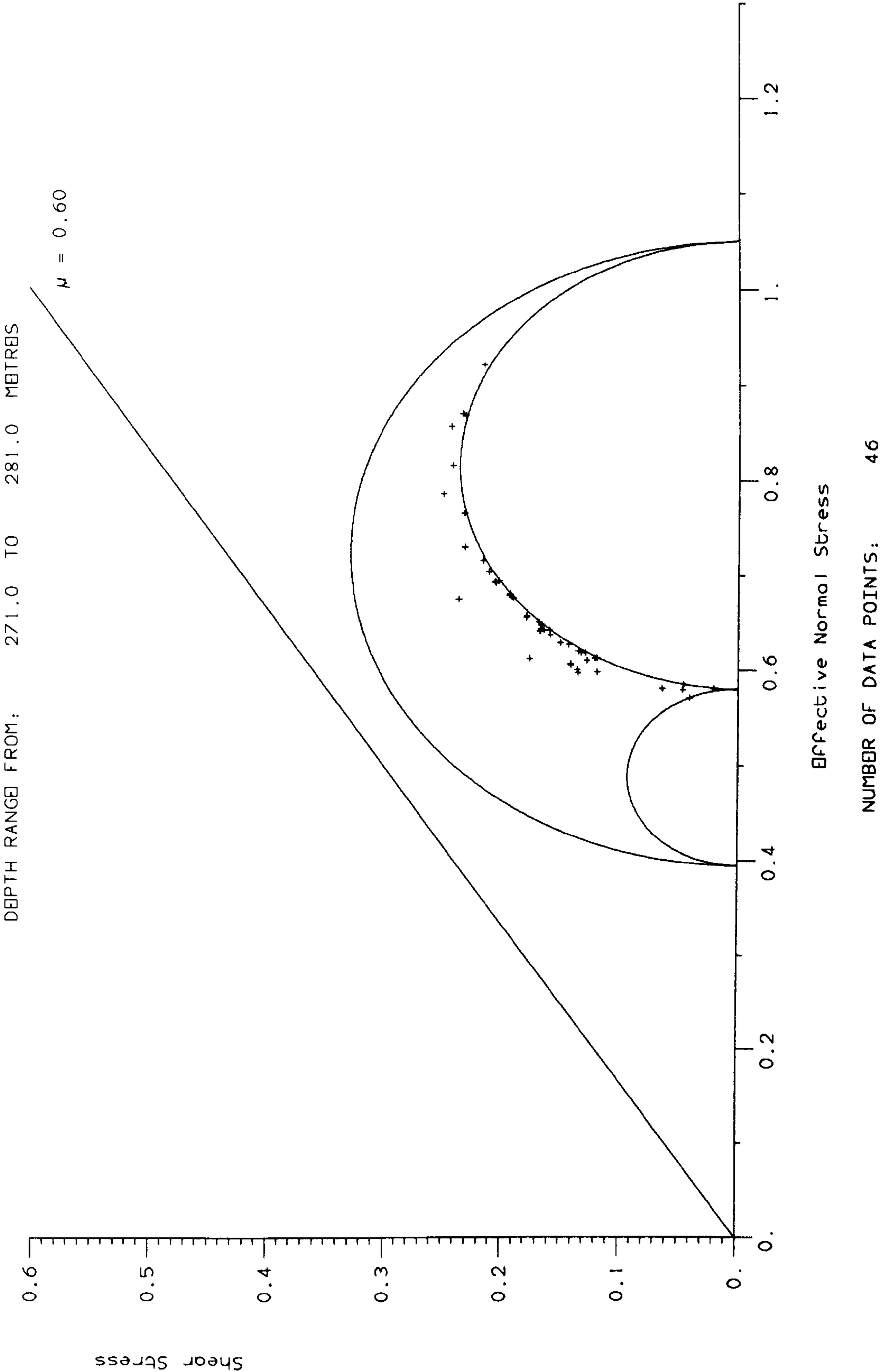




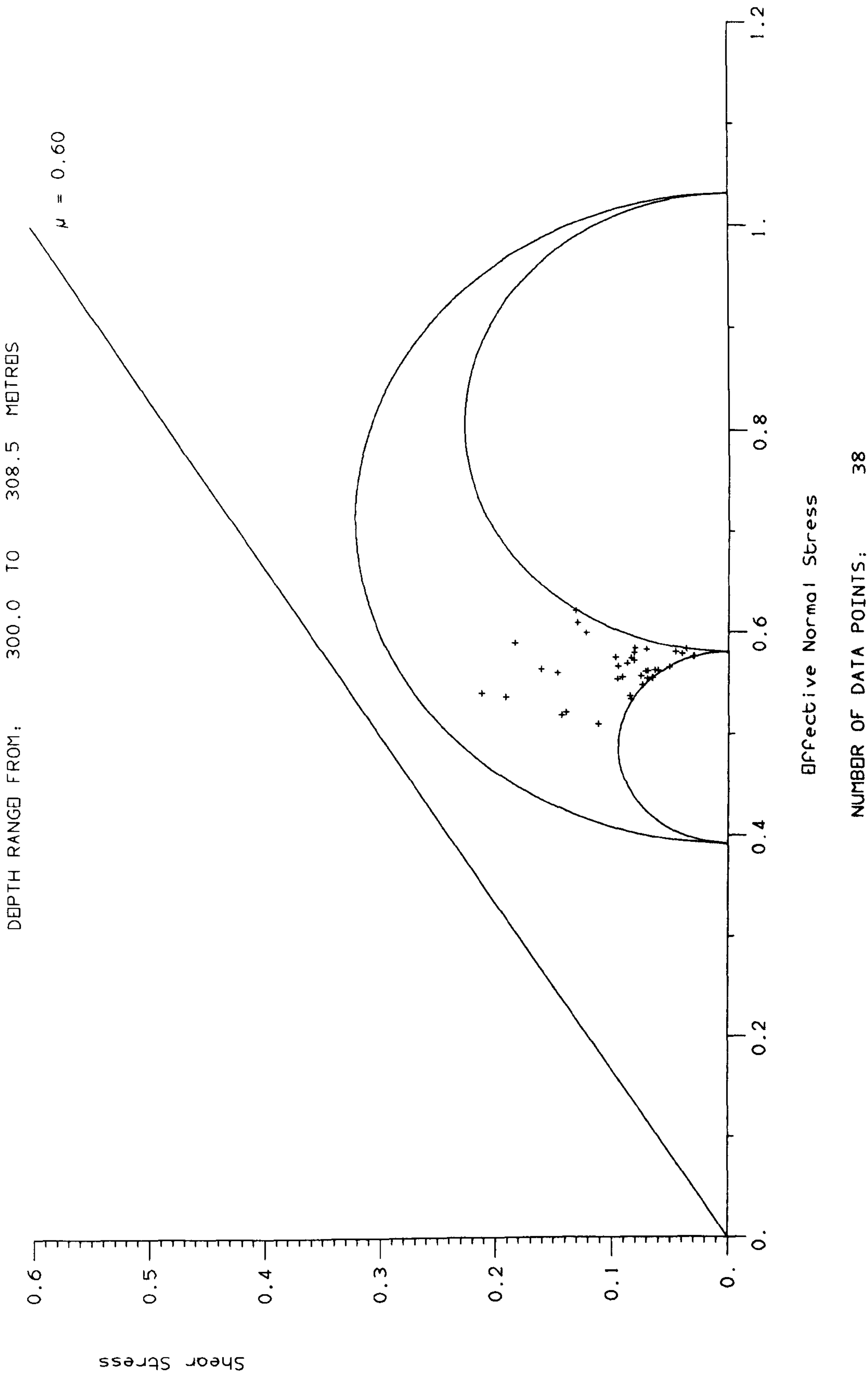




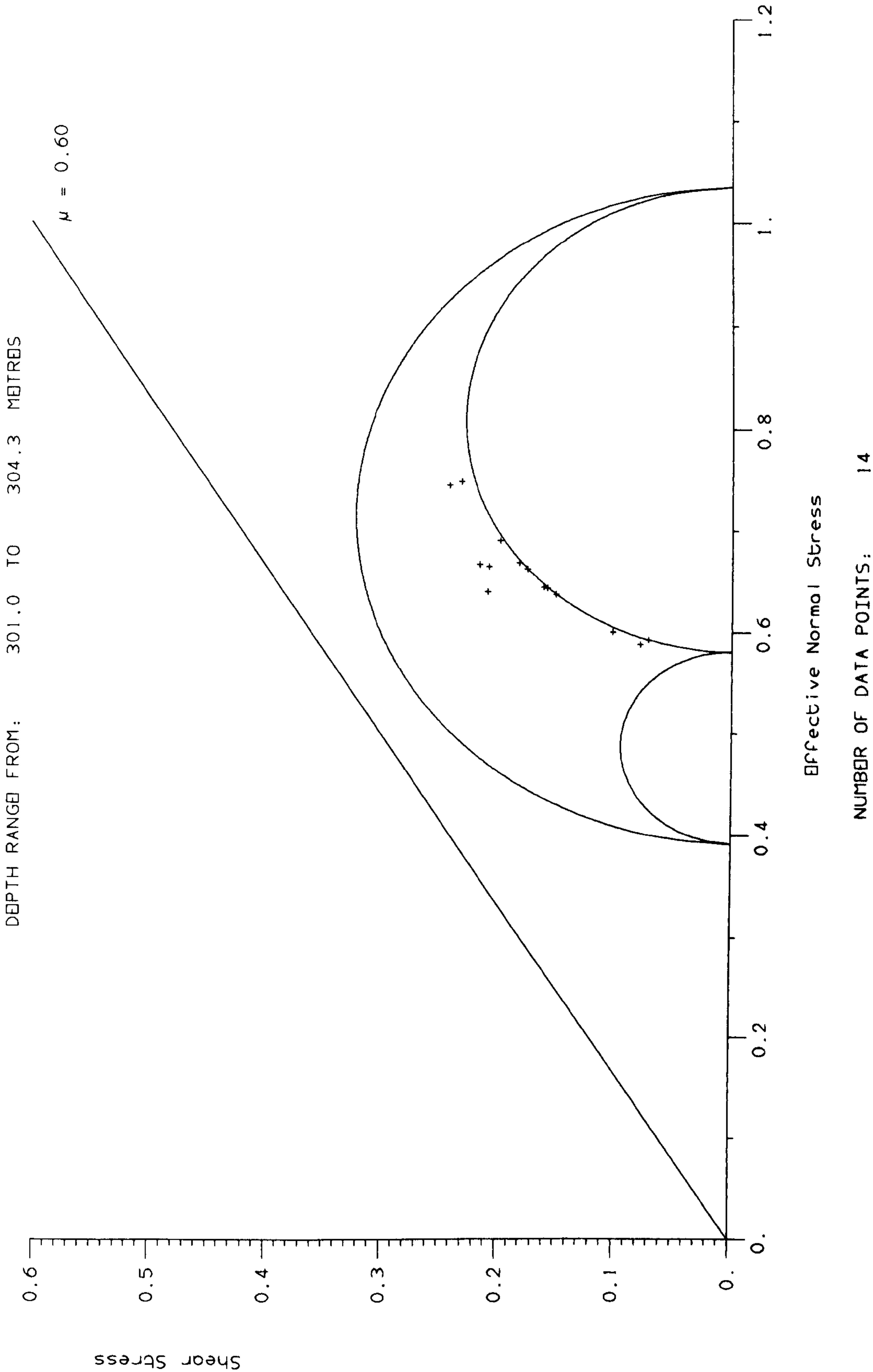




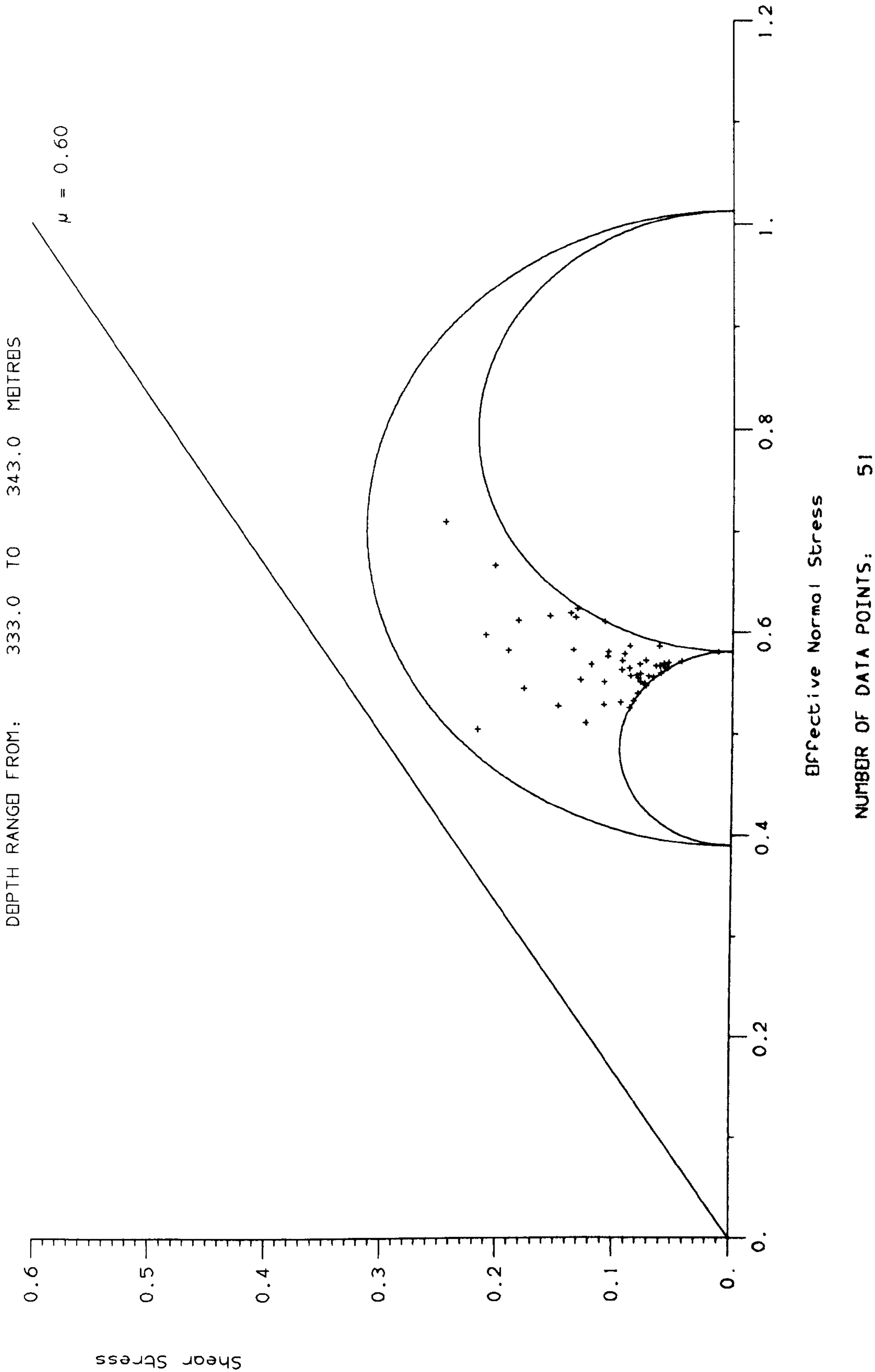




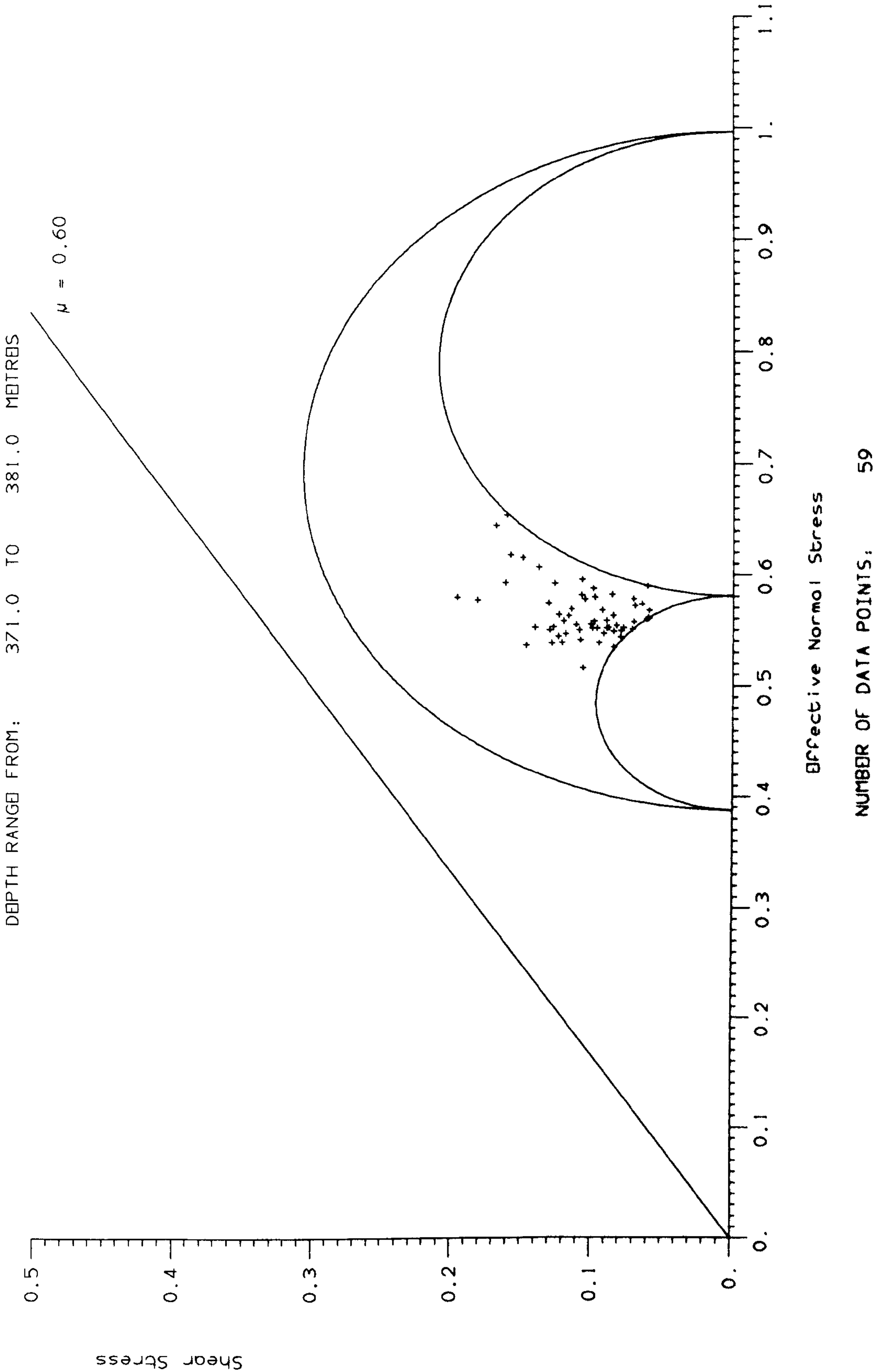




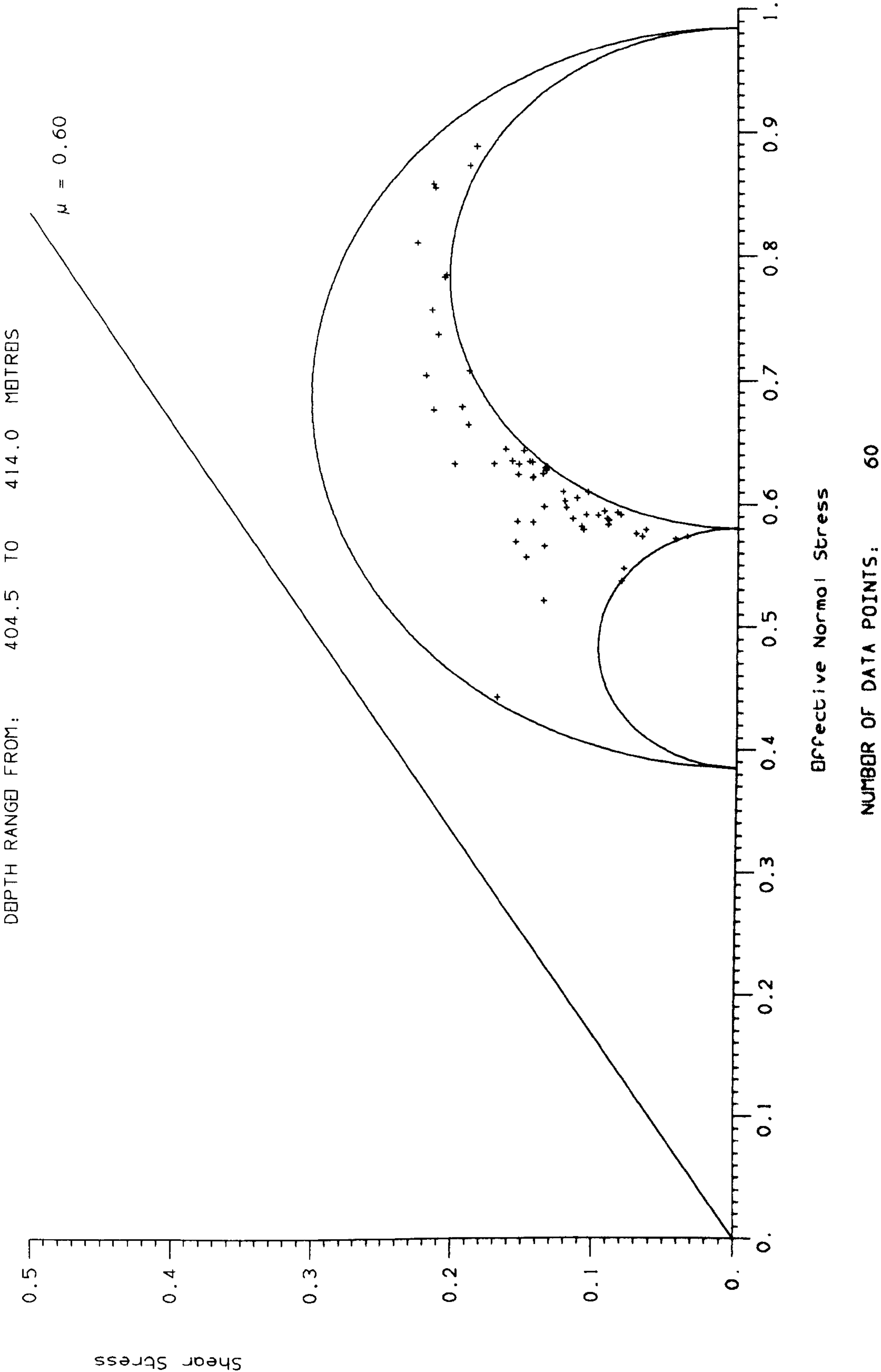




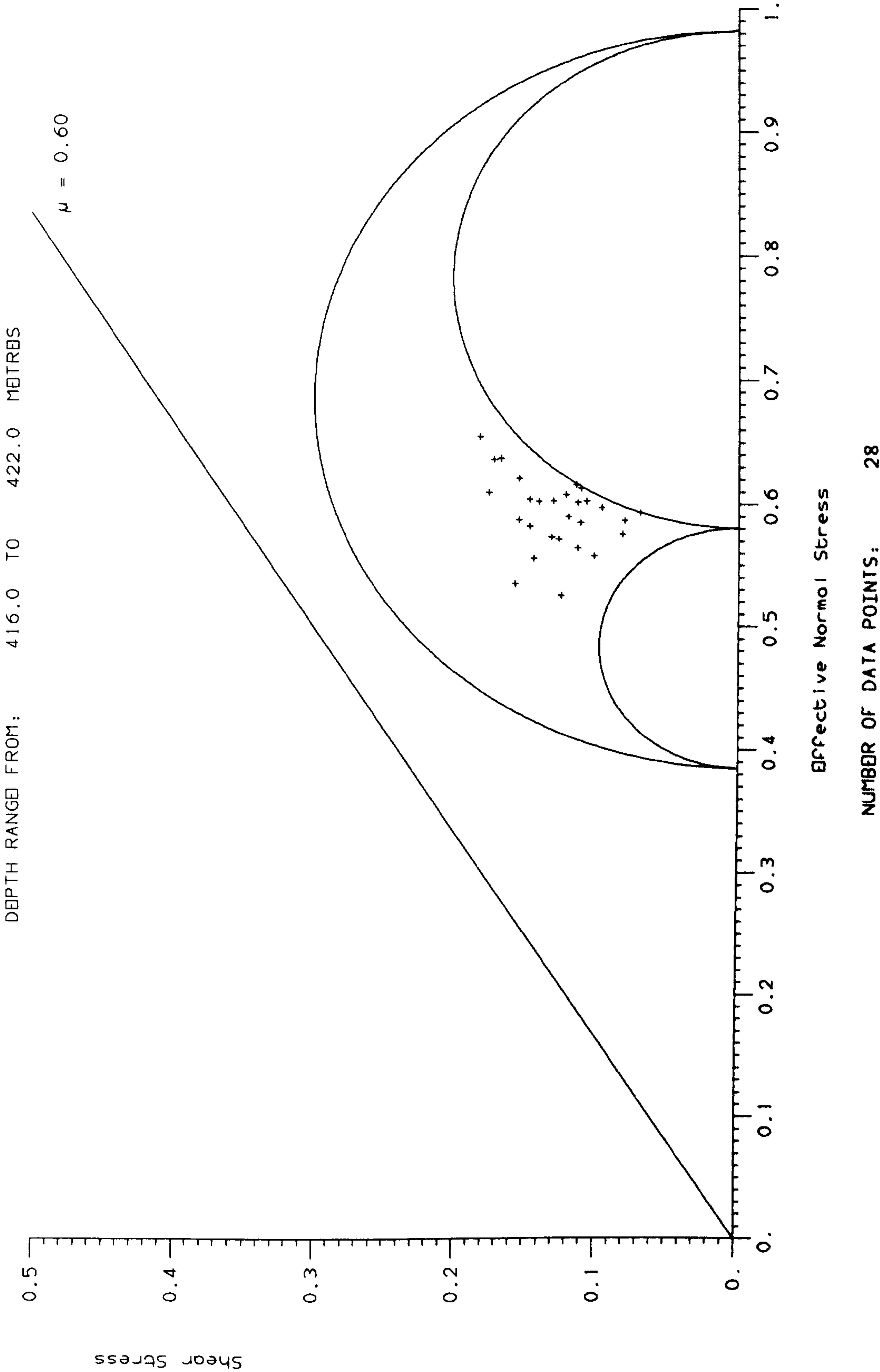




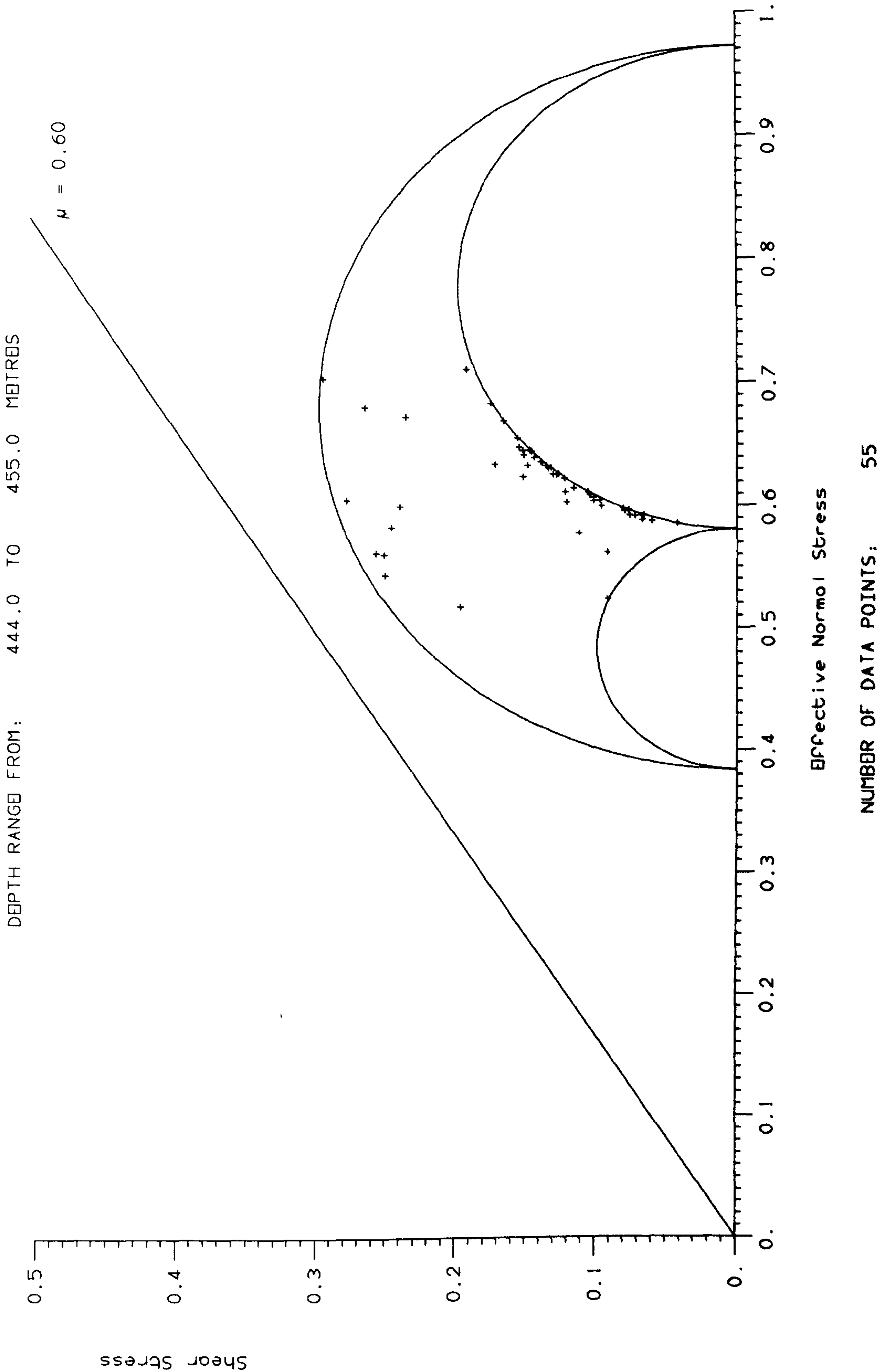




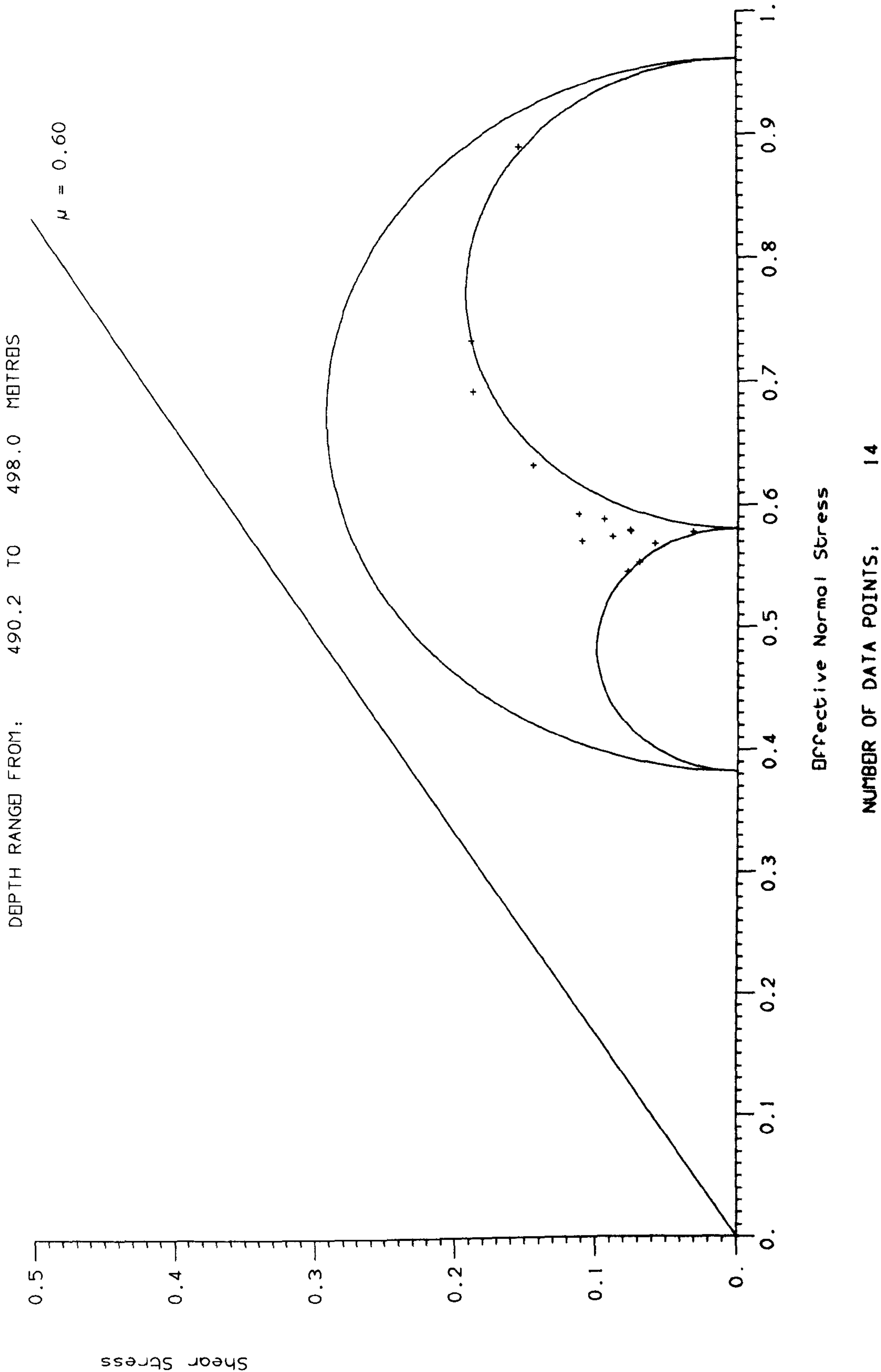




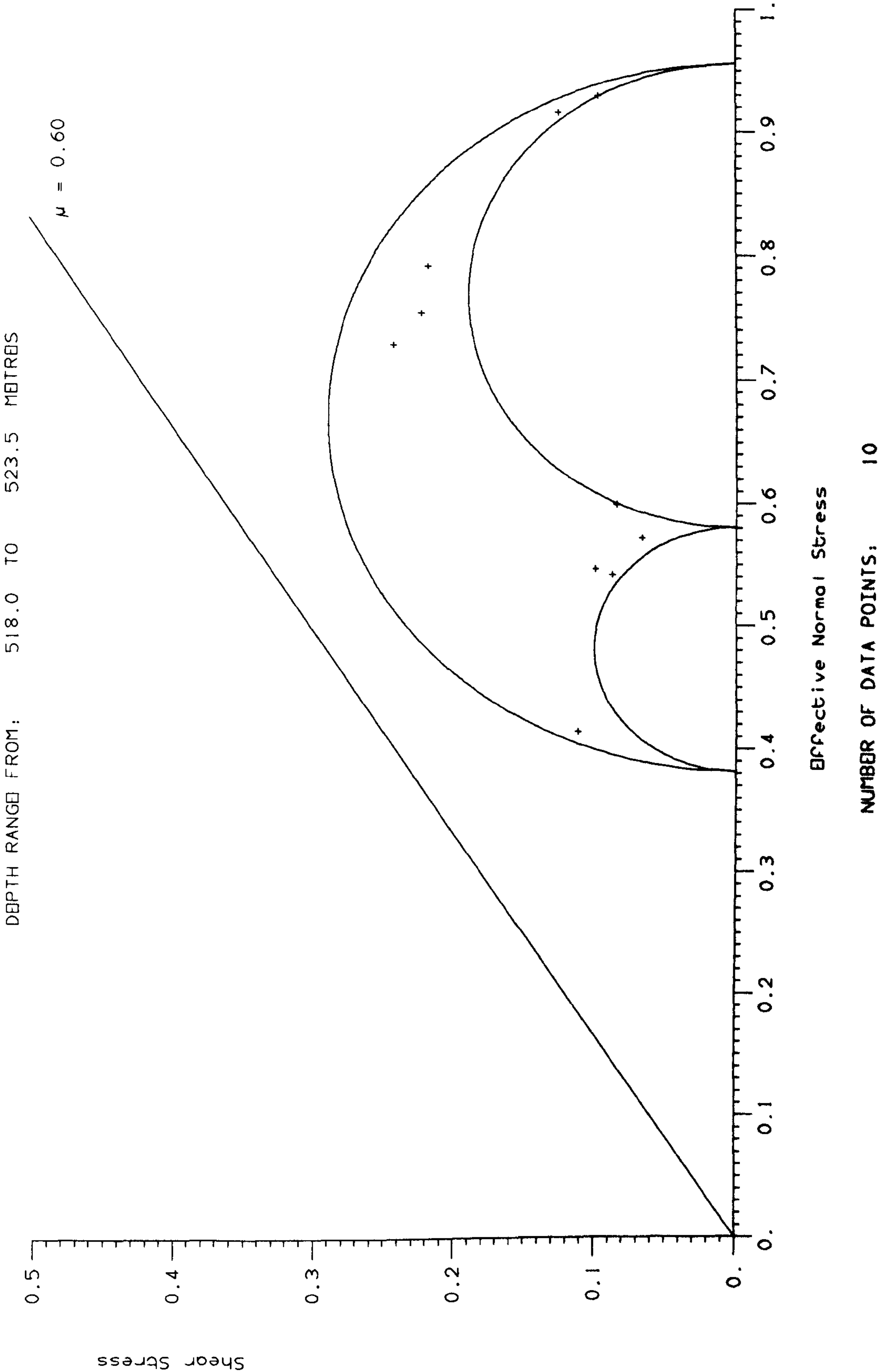




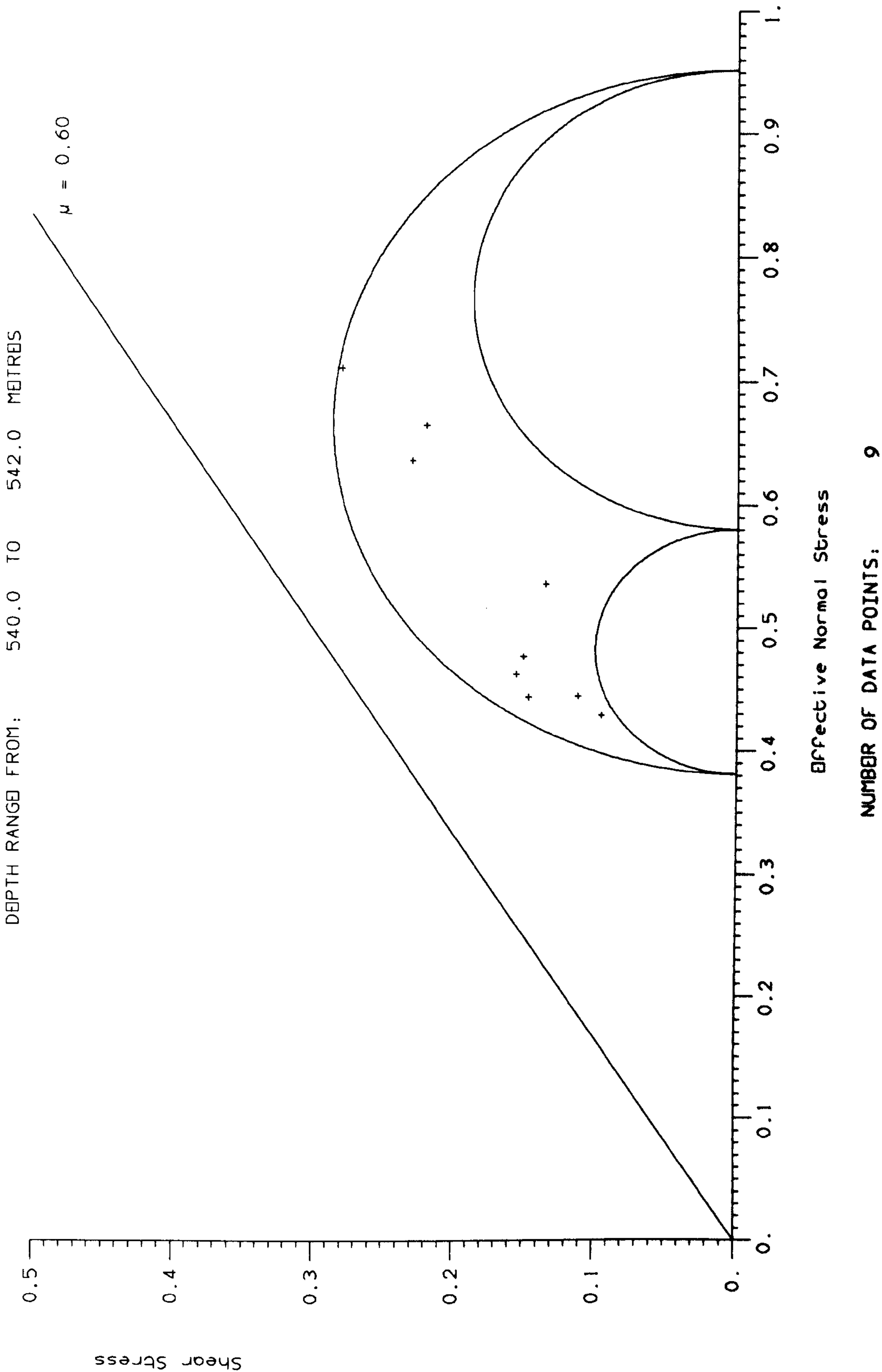




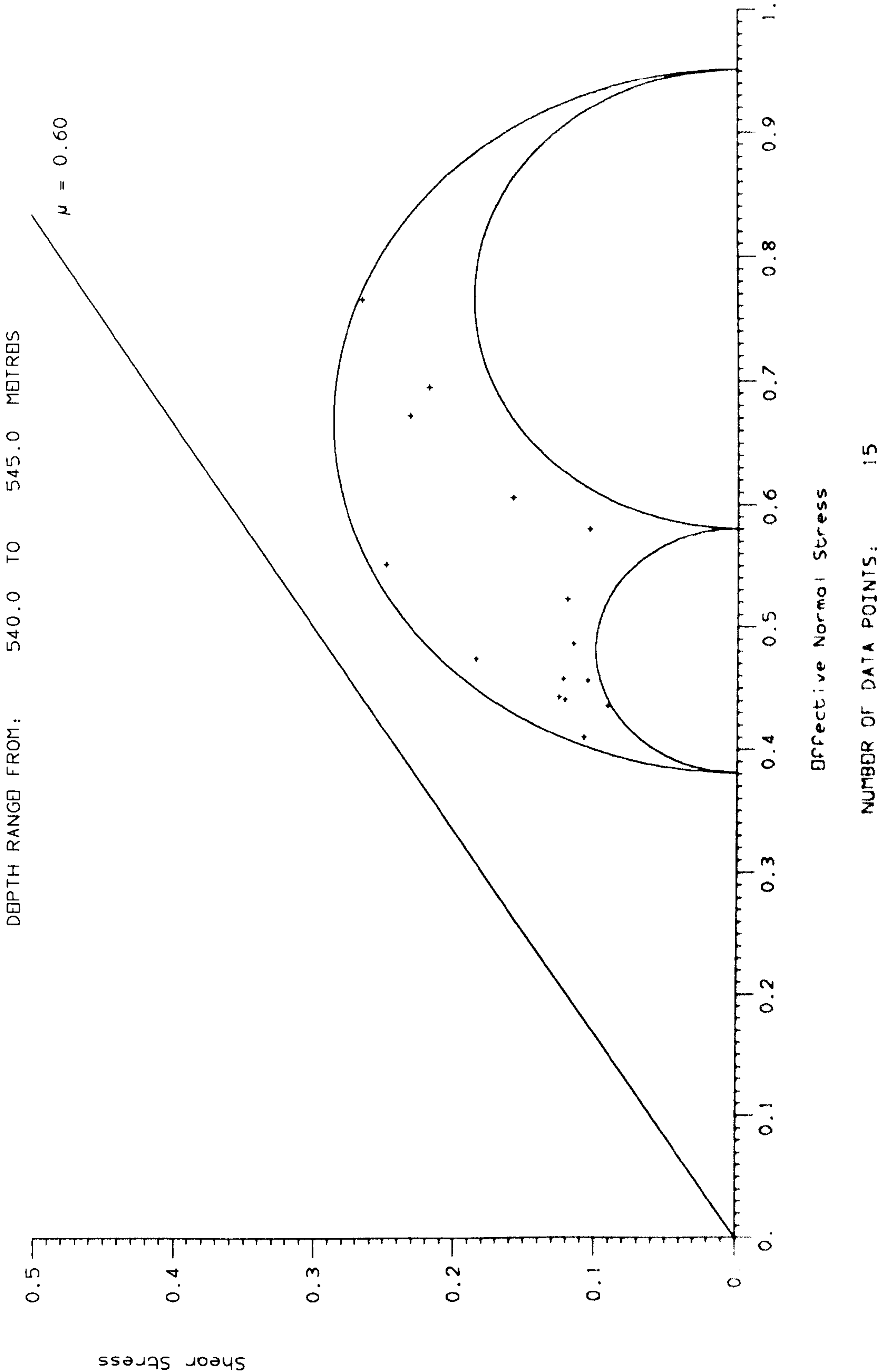




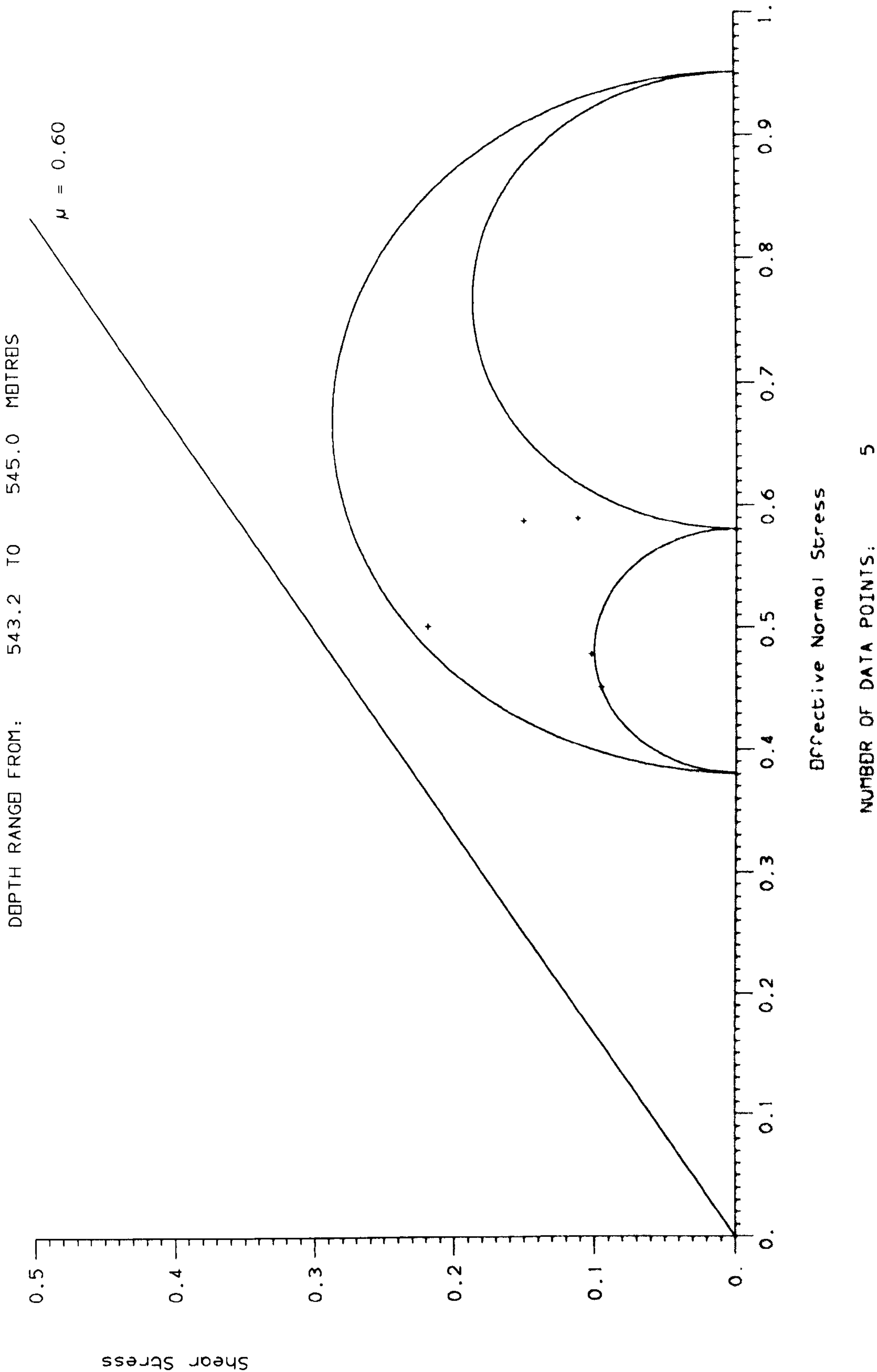




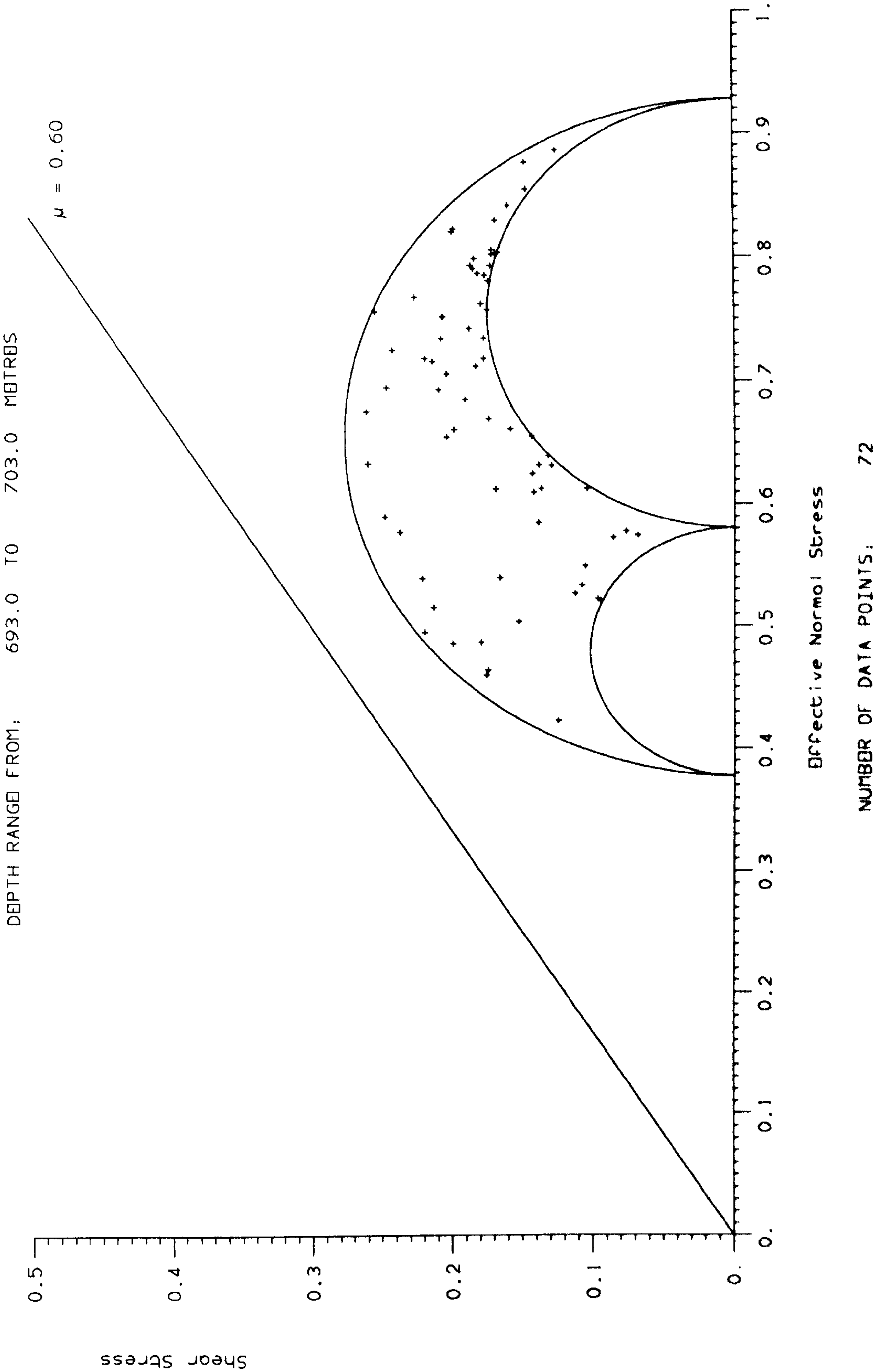




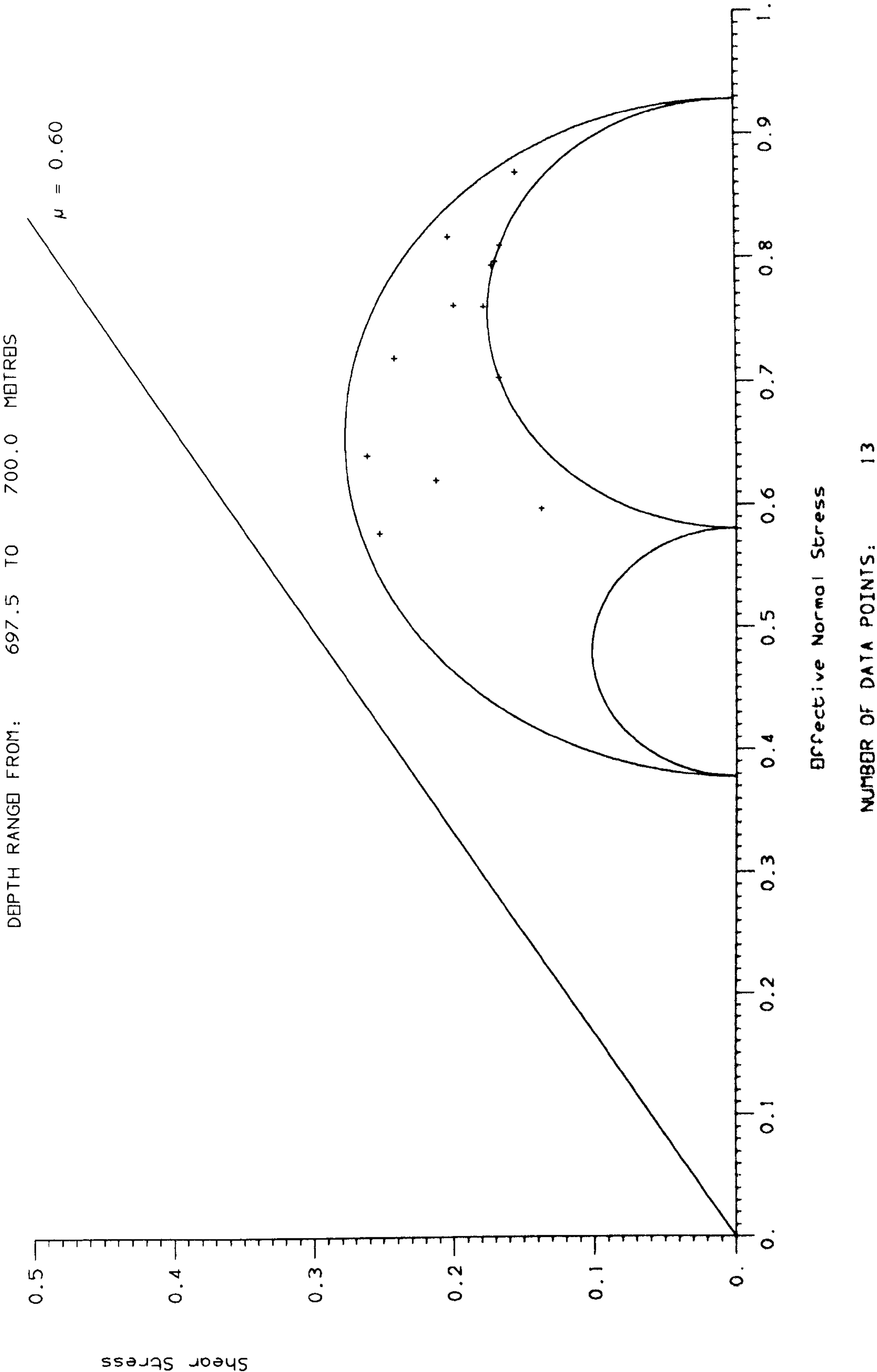




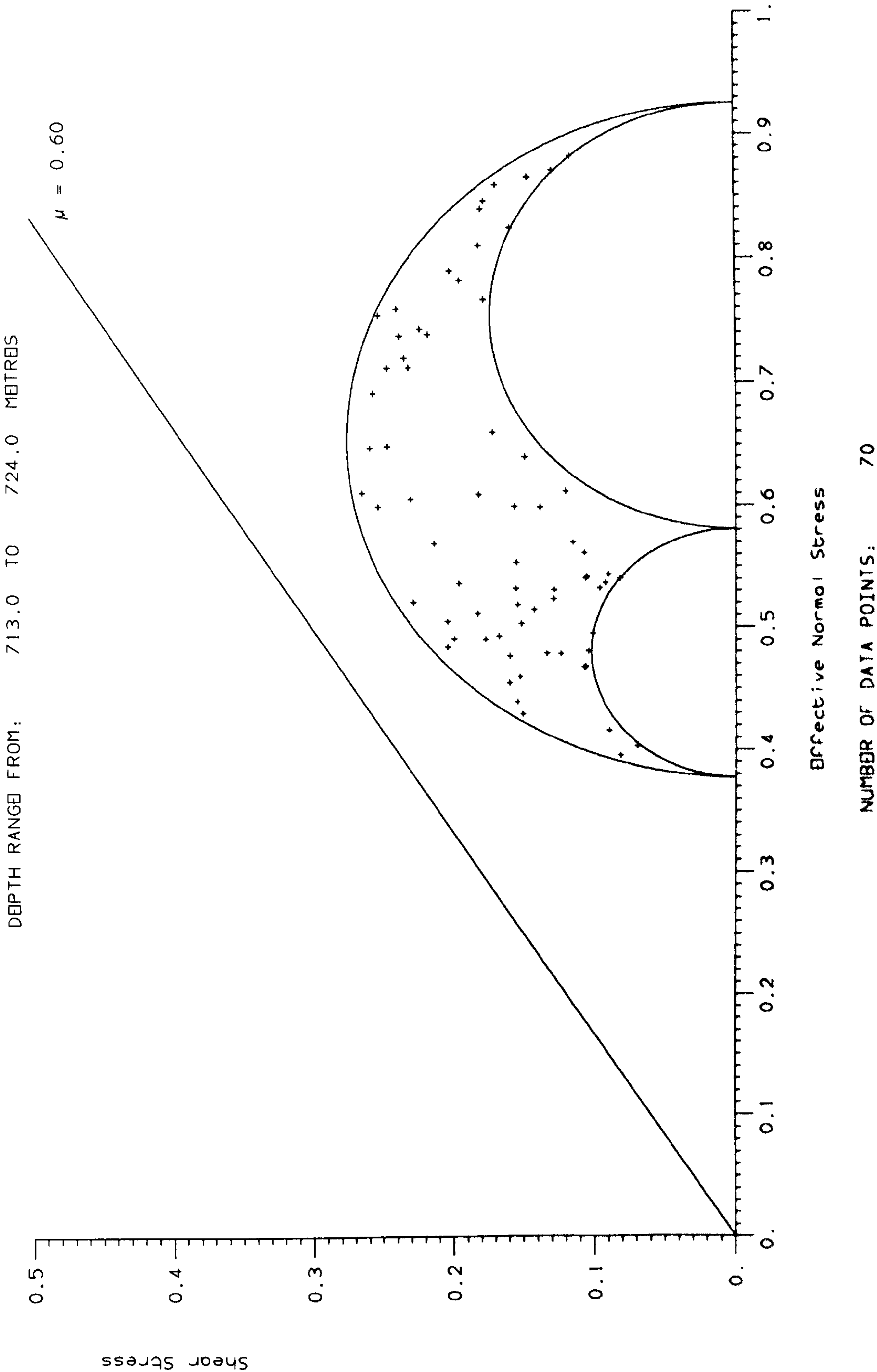




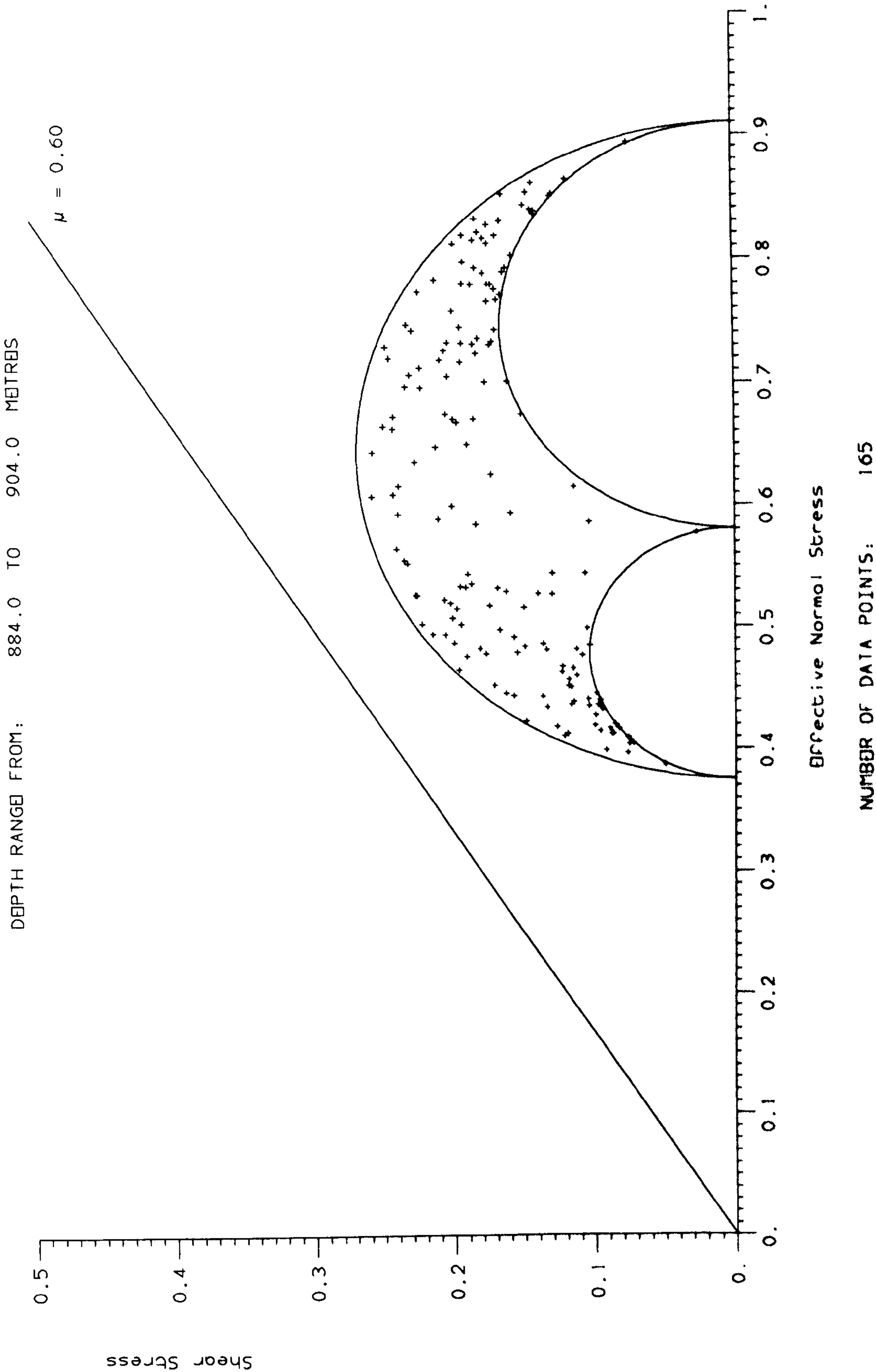




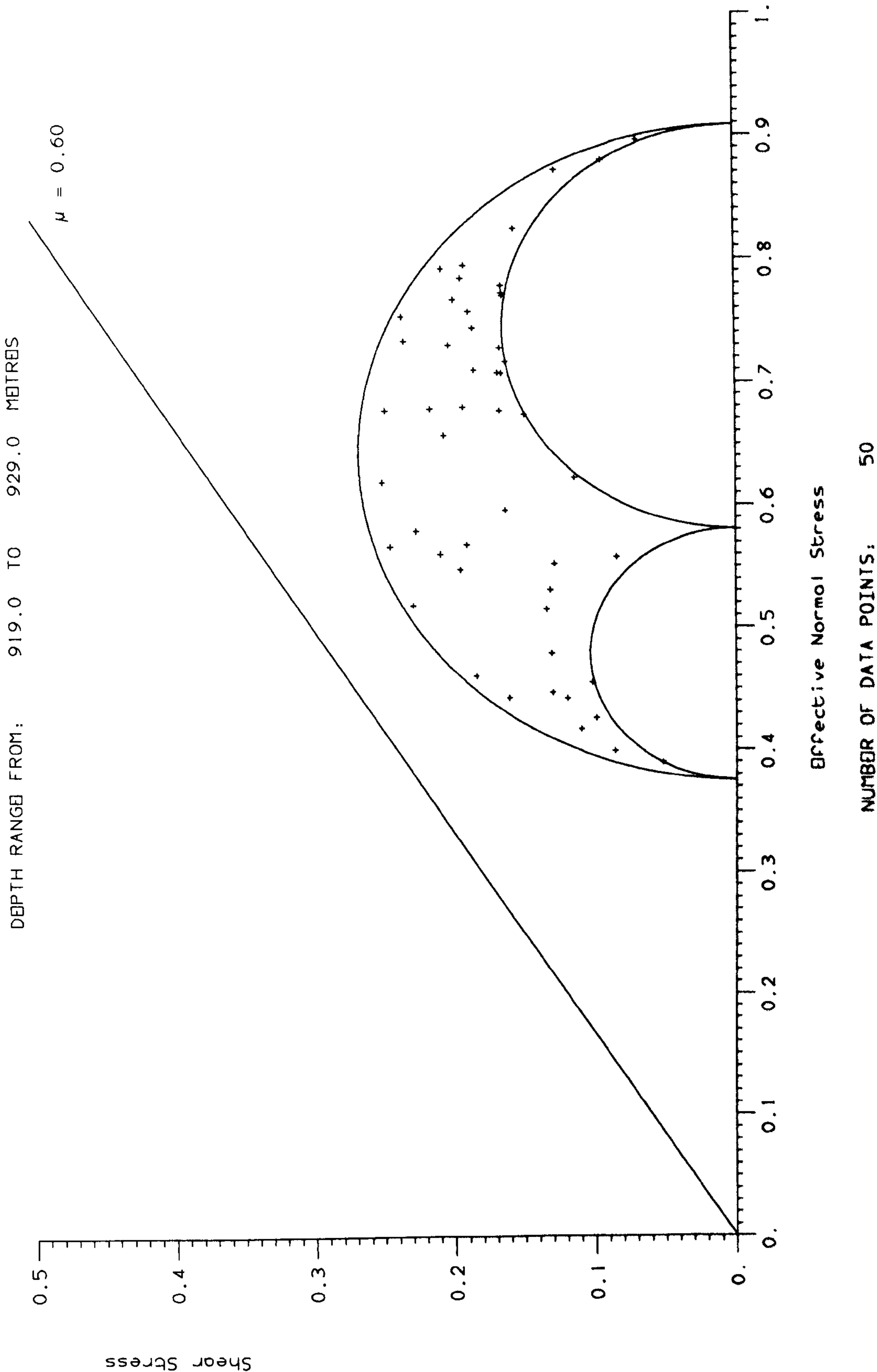














BH ID	Top MD (mbRT)	Base MD (mbRT)	Mid MD (mbRT)	mbGL TVD	Type	Lith	$\sigma_{Hmax}$ (Degrees)	$\sigma_{Hmax}$ SD*1.96	$\sigma_v$ (MPa)	$\sigma_{Hmin}$ (MPa)	$\sigma_{Hmax}$ (MPa)	Pp (MPa)	Sc (MPa)	Im	Is
BH 2	671.10	679.40	675.25	669.85	HF	Fleming	352.20	13.89	16.67	9.80	17.30	6.82	187.80	7.80	1.00
BH 2	746.10	754.40	750.25	744.74	HF	Fleming	7.00	NA	18.66	10.10	19.10	7.58	170.10	7.10	1.00
BH 2	1182.10	1190.40	1186.25	1179.66	HF	Bleawath	320.00	19.89	30.18	18.80	35.30	12.16	170.10	7.10	1.00
BH 2	1201.10	1209.40	1205.25	1198.59	HF	Bleawath	344.90	32.15	30.69	17.80	31.80	12.33	170.10	7.10	1.00
BH 2	1310.10	1318.40	1314.25	1307.12	HF	Bleawath	346.00	NA	33.56	22.10	38.70	13.30	92.90	30.30	1.00
BH 2	1443.10	1451.40	1447.25	1439.47	HF	Bleawath	343.50	1.39	37.07	23.50		14.49	121.70	19.50	1.00
BH 3	1442.00	1446.02	1444.01	1436.49	HF	Brockram	335.10	19.46	35.26	32.80	41.80	15.14			
BH 3	1477.26	1477.51	1477.39	1469.79	IF	Urswick	350.90	4.11	36.13						
BH 3	1488.89	1492.03	1490.46	1482.83	WD	Urswick	358.90	11.20	36.48						
BH 3	1497.00	1501.02	1499.01	1491.36	HF	Urswick	325.00	NA	36.71	33.00	48.00	15.75			
BH 3	1513.85	1514.18	1514.02	1506.34	AD	Urswick	331.30	8.95	37.11						
BH 3	1519.16	1525.25	1522.20	1514.50	WD	Frizington	342.00	10.74	37.32						
BH 3	1526.24	1528.98	1527.60	1519.88	WD	Frizington	342.00	14.87	37.47						
BH 3	1531.00	1535.02	1533.01	1525.28	HF	Frizington	344.00	24.95	37.61	32.80	48.40	16.12			
BH 3	1564.28	1564.42	1564.35	1556.53	WD	Frizington	359.80	4.77	38.44						
BH 3	1575.50	1575.59	1575.55	1567.70	WD	Frizington	343.20	10.05	38.74						
BH 3	1576.00	1580.02	1578.01	1570.16	HF	Frizington	3.00	NA	38.81	31.60	39.40	16.61			
BH 3	1581.72	1584.88	1583.30	1575.43	WD	Frizington	347.30	31.34	38.95						
BH 3	1583.00	1587.02	1585.01	1577.14	HF	Frizington	349.80	16.90	38.99	33.40	46.70	16.69			
BH 3	1612.72	1613.16	1612.94	1604.98	WD	Frizington	326.70	11.51	39.73						
BH 3	1684.30	1684.81	1684.56	1676.36	WD	Ignimbrite	346.50	14.62	41.62						
BH 3	1711.10	1711.95	1711.52	1703.22	WD	Volc Sst	321.90	12.01	42.33						
BH 3	1713.45	1737.00	1725.23	1716.88	WD	Ignimbrite	338.80	28.58	42.69						
BH 3	1833.37	1833.46	1833.42	1824.59	WD	Volc Unit B	333.20	11.68	45.54						
BH 3	1843.00	1847.02	1845.04	1836.13	HF	Ignimbrite	332.10	12.82	45.85	33.40	63.30	19.64			
BH 3	1864.77	1884.63	1874.70	1865.68	WD	Ignimbrite	320.50	13.72	46.63						
BH 5	845.91	850.06	847.99	842.91	HF	Intrusion	337.00	NA	21.42	13.00	24.30	8.44			

Table App 10.1 - Nirex Digital Geoscience Database *in situ* stress measurements undertaken at Sellafield by Nirex (NIREX, 1996C).

Note: HF - Hydrofrac, WD/IF/AD/ED/BD - Breakout and OC - Overcoring stress analysis.



BH ID	Top MD (mbRT)	Base MD (mbRT)	Mid MD (mbRT)	mbGL TVD	Type	Lith	$\sigma_{Hmax}$ (Degrees)	$\sigma_{Hmax}$ SD*1.96	$\sigma_v$ (MPa)	$\sigma_{Hmin}$ (MPa)	$\sigma_{Hmax}$ (MPa)	Pp (MPa)	Sc (MPa)	Im	Is
BH 5	958.91	963.06	960.99	955.87	HF	Bleawath	328.00	NA	24.21	17.30	29.80	9.87			
BH 5	1041.91	1046.06	1043.99	1038.83	HF	Bleawath	321.00	8.32	26.61	25.40	49.20	10.80			
BH 5	1070.91	1075.06	1072.99	1067.80	HF	Bleawath	350.50	22.37	27.37	22.00	41.70	11.08			
BH 5	1086.91	1091.06	1088.99	1083.79	HF	Bleawath	341.00	NA	27.80	27.30	52.90	11.28			
BH 5	1144.63	1146.50	1145.56	1140.31	WD	Bleawath	338.10	26.30	29.29						
BH 5	1223.91	1228.06	1225.99	1223.67	HF	Bleawath	342.00	NA	31.42	27.00	50.50	13.37			
BH 5	1232.91	1237.06	1234.99	1229.66	HF	Bleawath	345.00	13.86	31.66	24.30	46.30	13.51			
BH 8A	262.00	264.12	263.06	259.25	HF	Fleming	335.00	NA	6.58	7.20	11.80	2.27			
BH 8A	769.00	771.12	770.06	766.25	HF	Fleming	339.00	NA	19.82	14.90	27.10	7.60			
BH 8A	977.00	979.12	978.06	974.24	HF	Fleming	303.00	NA	25.25	17.70	31.90	10.04			
BH 10A	249.00	253.29	251.15	246.12	HF	St Bees Sst	325.00	22.17	5.76	7.00	10.00	2.39			
BH 10A	342.00	346.29	344.15	339.11	HF	St Bees Sst	326.00	NA	8.03	6.80	8.80	3.34			
BH 10A	377.21	377.29	377.25	372.20	WD	St Bees Sst	310.30	5.50	8.83						
BH 10A	384.00	388.29	386.15	381.10	HF	St Bees Sst	335.00	NA	9.05	9.80	15.00	3.75			
BH 10A	507.00	511.29	509.15	504.08	HF	St Bees Sst	327.00	8.54	12.04	10.70	15.00	4.98			
BH 10A	582.37	582.76	582.56	577.47	WD	St Bees Sst	345.80	3.86	13.83						
BH 10A	697.46	706.07	701.76	696.62	ED	NHM	325.40	15.51	16.73						
BH 10A	716.60	717.40	717.00	711.86	IF	NHM	336.60	3.82	17.10						
BH 10A	724.62	733.73	729.18	724.03	WD	NHM	330.20	16.62	17.39						
BH 10A	743.82	743.82	743.82	738.67	IF	St Bees Shl	337.30	1.98	17.76						
BH 10A	744.03	745.85	744.94	739.78	IF	St Bees Shl	339.50	21.52	17.79						
BH 10A	777.00	781.29	779.15	773.98	HF	St Bees Shl	359.00	24.20	18.67	12.90	17.40	7.72			
BH 10A	796.63	797.07	796.85	791.67	AD	St Bees Shl	359.60	9.04	19.13						
BH 10A	936.00	936.14	936.07	930.81	WD	Frizington	5.50	6.11	22.76						
BH 10A	950.00	954.29	952.15	946.88	HF	Frizington	341.00	NA	23.19	22.80	33.40	9.52			
BH 10A	1122.78	1123.86	1123.32	1117.93	BD	Brown Bank	298.60	10.38	27.71						
BH 11A	844.34	844.44	844.39	838.09	WD	NHM	356.40	8.63							

Table App 10.1 - Nirex Digital Geoscience Database *in situ* stress measurements undertaken at Sellafield by Nirex (NIREX, 1996C).

Note: HF - Hydrofrac, WD/IF/AD/ED/BD - Breakout and OC - Overcoring stress analysis.



BH ID	Top MD (mbRT)	Base MD (mbRT)	Mid MD (mbRT)	mbGL TVD	Type	Lith	$\sigma_{Hmax}$ (Degrees)	$\sigma_{Hmax}$ SD*1.96	$\sigma_v$ (MPa)	$\sigma_{Hmin}$ (MPa)	$\sigma_{Hmax}$ (MPa)	Pp (MPa)	Sc (MPa)	Im	Is
BH 11A	847.17	847.63	847.40	841.10	WD	St Bees Shl	10.50	6.25							
BH 11A	851.10	851.28	851.19	844.88	WD	St Bees Shl	345.80	9.93							
BH 11A	887.16	890.38	888.77	882.41	IF	Brockram	354.10	17.15							
BH 12A	648.59	648.63	648.61	642.29	WD	NHM	337.40	2.19							
BH 12A	655.43	685.34	670.38	664.03	IF	NHM	343.20	13.07							
BH 12A	699.01	699.14	699.07	692.69	WD	NHM	349.10	7.71							
BH 12A	702.54	702.79	702.67	696.28	WD	NHM	325.50	12.10							
BH 12A	730.63	731.20	730.92	724.50	AD	St Bees Shl	337.50	9.44							
BH 12A	757.55	757.65	757.60	751.15	IF	Brockram	342.70	2.81							
BH 12A	758.09	822.75	790.42	783.92	IF	St Bees Shl	332.00	13.22							
BH 12A	834.10	834.58	834.34	827.78	BD	St Bees Shl	339.20	6.21							
BH 13A	1375.59	1376.53	1376.06	1370.08	WD	St Bees Shl	300.60	12.12							
BH 13A	1620.10	1620.70	1620.40	1613.53	WD	Frizington	351.90	16.58							
BH 13A	1621.80	1622.67	1622.23	1615.35	IF	Frizington	348.60	8.10							
BH 13A	1623.27	1634.42	1628.84	1621.93	WD	Frizington	341.40	11.49							
BH 13A	1634.54	1634.55	1634.54	1627.61	WD	Basal Beds	344.40	1.08							
BH 13A	1636.15	1636.50	1636.32	1629.38	WD	Ignimbrite	350.00	18.56							
BH 14A	336.93	337.15	337.04	331.95	WD	St Bees Sst	349.10	3.84							

Table App 10.1 - Nirex Digital Geoscience Database *in situ* stress measurements undertaken at Sellafield by Nirex (NIREX, 1996C).  
Note: HF - Hydrofrac, WD/IF/AD/ED/BD - Breakout and OC - Overcoring stress analysis.



Depth (mbRT)	Depth (mbOD)	Easting	Northing	Dip Azi. (Degree)	Dip (Degrees)	mineral fill	ME2	ME3	ME4	ME5	ME6 a	ME6 b	ME6 c	ME7	ME8	ME9	PFF
222.94	134.67	305566.3	503933.1	999.00	99.00	goe									Y		?
223.01	134.74	305566.3	503933.1	999.00	99.00	goe									Y		?
225.47	137.20	305566.3	503933.1	999.00	99.00	goe									Y		?
225.77	137.50	305566.3	503933.1	999.00	99.00	goe									Y		?
226.32	138.05	305566.3	503933.1	215.61	20.83	goe, MnOx									Y		?
226.49	138.22	305566.3	503933.1	225.22	20.87	goe, MnOx									Y		?
226.52	138.25	305566.3	503933.1	206.25	16.79	MnOx, ?clay								?	Y		?
231.80	143.52	305566.4	503933.2	215.68	20.87	goe									Y		?
232.82	144.54	305566.4	503933.2	243.70	10.83	goe, ?MnOx									Y		?
237.13	148.85	305566.4	503933.2	233.44	10.81	MnOx									Y		?
243.82	155.54	305566.5	503933.3	999.00	99.00	goe, ?MnOx									Y		?
243.94	155.66	305566.5	503933.3	999.00	99.00	goe									Y		?
245.30	157.02	305566.5	503933.3	999.00	99.00	goe, MnOx									Y		?
245.58	157.30	305566.5	503933.3	999.00	99.00	goe, MnOx									Y		?
246.50	158.22	305566.6	503933.3	211.33	34.86	goe, MnOx									Y		?
247.90	159.62	305566.6	503933.3	999.00	99.00	cal										Y	Y
247.91	159.63	305566.6	503933.3	292.79	78.49	cal, MnOx									Y	Y	Y
253.94	165.66	305566.7	503933.4	171.53	6.43	MnOx									Y		?
254.03	165.75	305566.7	503933.4	999.00	99.00	cal, MnOx							?		Y		?
254.11	165.83	305566.7	503933.4	262.00	14.77	MnOx									Y		?
254.12	165.84	305566.7	503933.4	262.25	16.77	cal, MnOx							?		Y		?
260.20	171.92	305566.7	503933.4	999.00	99.00	MnOx									Y		?
264.25	175.97	305566.8	503933.5	96.29	48.31	goe, MnOx									Y		?

Table App 10.2 - Nirex Digital Geoscience Database PFF data from Sellafield borehole RCF3 (NIREX, 1996c).



Depth (mbRT)	Depth (mbOD)	Easting	Northing	Dip Azi. (Degree)	Dip (Degrees)	mineral fill	ME2	ME3	ME4	ME5	ME6 a	ME6 b	ME6 c	ME7	ME8	ME9	PFF
266.47	178.19	305566.8	503933.5	249.14	25.90	MnOx									Y		?
266.51	178.23	305566.8	503933.5	249.16	26.90	MnOx									Y		?
276.54	188.26	305566.9	503933.6	270.30	85.70	MnOx, cal									Y	Y	Y
279.52	191.24	305567.0	503933.7	212.14	22.86	MnOx, gou									Y		?
283.13	194.85	305567.0	503933.7	178.37	21.54	cal, MnOx							?		Y		?
302.64	214.36	305567.3	503933.9	999.00	99.00	cal, MnOx									Y	Y	Y
333.77	245.48	305567.7	503934.3	46.61	73.94	MnOx, cal									Y	Y	Y
345.36	257.06	305567.8	503934.5	252.39	12.05	goe									Y		Y
346.46	258.16	305567.8	503934.5	334.97	62.51	MnOx									Y		?
346.48	258.18	305567.8	503934.5	166.96	5.61	MnOx, cal									Y	Y	?
346.50	258.20	305567.8	503934.5	999.00	99.00	MnOx, cal									Y	Y	?
347.63	259.33	305567.9	503934.5	999.00	99.00	cal										Y	Y
348.70	260.40	305567.9	503934.6	999.00	99.00	goe, MnOx									Y		?
377.05	288.75	305568.3	503935.0	215.97	10.16	cal										Y	Y
404.38	316.07	305568.6	503935.4	327.34	65.69	cal, ?bar or ?gyp or ?anh										Y	Y
409.42	321.10	305568.7	503935.5	230.65	76.06	cal, ?gyp or ?anh or ?bar										Y	Y
469.16	380.83	305569.0	503936.1	999.00	99.00	cal										Y	Y
470.13	381.80	305569.0	503936.1	999.00	99.00	cal							Y			Y	Y
471.40	383.07	305568.9	503936.1	999.00	99.00	cal										Y	Y
471.80	383.47	305568.9	503936.1	999.00	99.00	cal										Y	Y
477.57	389.24	305568.8	503936.0	219.44	80.89	gou, hem, cal							?			Y	Y
478.10	389.77	305568.8	503936.0	219.48	83.90	gou, hem, cal							?			Y	Y

Table App 10.2 - Nirex Digital Geoscience Database PFF data from Sellafield borehole RCF3 (NIREX, 1996c).



Depth (mbRT)	Depth (mbOD)	Easting	Northing	Dip Azi. (Degree)	Dip (Degrees)	mineral fill	ME2	ME3	ME4	ME5	ME6 a	ME6 b	ME6 c	ME7	ME8	ME9	PFF
517.41	429.07	305568.0	503935.7	999.00	99.00	cal, bar, clay							Y	Y		Y	Y
517.48	429.14	305568.0	503935.7	999.00	99.00	cal, bar, clay							Y	Y		Y	Y
520.50	432.16	305567.9	503935.7	51.74	57.31	gou, hem, cal, ?dol						?	Y	?		Y	Y
526.18	437.84	305567.8	503935.6	24.07	65.96	hem, cal					Y					Y	Y
527.62	439.28	305567.8	503935.6	999.00	99.00	hem, cal					?					Y	Y
527.69	439.35	305567.8	503935.6	36.69	41.10	hem, sulp, cal					Y					Y	Y
542.78	454.44	305567.5	503935.4	14.31	74.85	cal, hem					Y		?			Y	Y
555.31	466.97	305567.3	503935.3	37.49	64.13	cal, hem										Y	Y
561.06	472.72	305567.1	503935.3	340.97	78.11	cal, hem, breccia					Y					Y	Y
561.40	473.06	305567.1	503935.3	999.00	99.00	cal, hem					Y		Y			Y	Y
563.78	475.44	305567.1	503935.2	70.48	86.23	hem, cal					Y					Y	Y
580.20	491.86	305566.8	503935.1	27.53	70.99	cal, hem					Y		?			Y	Y
580.49	492.15	305566.8	503935.1	47.29	85.19	cal, hem					Y					Y	Y
580.92	492.58	305566.8	503935.1	999.00	99.00	cal, hem, sulp					?					Y	Y
581.00	492.66	305566.8	503935.1	227.25	88.82	cal, hem, sulp					?					Y	Y
581.20	492.86	305566.7	503935.1	999.00	99.00	cal, hem, sulp					?					Y	Y
586.60	498.26	305566.6	503935.0	156.42	80.93	cal, hem, sulp					?					Y	Y
628.82	540.48	305565.9	503934.7	999.00	99.00	cal, hem					?	?	?			Y	Y
649.03	560.69	305565.6	503934.5	999.00	99.00	cal										Y	?
652.31	563.97	305565.5	503934.5	46.62	51.99	hem, cal, ?clay, gou					Y	?	?	?		Y	Y
652.49	564.15	305565.5	503934.5	135.23	40.29	cal										Y	Y

Table App 10.2 - Nirex Digital Geoscience Database PFF data from Sellafield borehole RCF3 (NIREX, 1996c).



Depth (mbRT)	Depth (mbOD)	Easting	Northing	Dip Azi. (Degree)	Dip (Degrees)	mineral fill	ME2	ME3	ME4	ME5	ME6 a	ME6 b	ME6 c	ME7	ME8	ME9	PFF
652.57	564.23	305565.5	503934.5	999.00	99.00	cal, hem, dol					Y	Y	Y			Y	Y
652.71	564.37	305565.5	503934.5	86.19	64.95	cal, ?hem					Y		Y			Y	Y
669.37	581.03	305565.3	503934.3	96.93	66.86	cal										Y	Y
669.69	581.35	305565.3	503934.3	2.81	67.54	cal										?	?
670.05	581.71	305565.3	503934.3	42.94	35.00	cal, hem					Y					Y	Y
670.09	581.75	305565.3	503934.3	999.00	99.00	cal, hem					Y					Y	Y
670.13	581.79	305565.3	503934.3	352.88	65.37	cal, hem					?					Y	Y
696.64	608.30	305564.8	503934.0	32.42	33.00	cal, hem					Y					Y	Y
696.77	608.43	305564.8	503934.0	127.38	45.39	cal, hem					Y					Y	Y
696.87	608.53	305564.8	503934.0	80.12	55.03	cal, hem					Y					Y	Y
699.85	611.51	305564.8	503934.0	113.27	76.59	cal, hem, anh					Y					Y	Y
707.65	619.31	305564.6	503933.9	109.13	64.65	cal, hem, gou					?					Y	Y
707.70	619.36	305564.6	503933.9	999.00	99.00	cal, hem, gou					Y					Y	Y
709.06	620.72	305564.6	503933.9	15.87	65.83	cal, hem							?			Y	Y
718.90	630.56	305564.4	503933.8	36.15	41.02	cal, hem, breccia, gou					?			?		Y	Y
719.02	630.68	305564.4	503933.8	15.96	70.83	cal, hem, breccia, gou					?			?		Y	Y
719.25	630.91	305564.4	503933.8	318.03	24.82	cal, hem, breccia, gou					?			?		Y	Y
719.28	630.94	305564.4	503933.8	115.41	72.56	cal, hem, breccia, gou					?			?		Y	Y
719.28	630.94	305564.4	503933.8	345.93	78.36	cal, hem, breccia, gou					?			?		Y	Y

Table App 10.2 - Nirex Digital Geoscience Database PFF data from Sellafield borehole RCF3 (NIREX, 1996c).



Depth (mbRT)	Depth (mbOD)	Easting	Northing	Dip Azi. (Degree)	Dip (Degrees)	mineral fill	ME2	ME3	ME4	ME5	ME6 a	ME6 b	ME6 c	ME7	ME8	ME9	PFF
719.30	630.96	305564.4	503933.8	115.22	62.56	cal, hem, breccia, gou					?			?		Y	Y
719.33	630.99	305564.4	503933.8	999.00	99.00	cal, hem, breccia, gou					?			?		Y	Y
721.17	632.83	305564.4	503933.8	254.50	88.96	cal										?	?
721.97	633.63	305564.4	503933.8	999.00	99.00	cal					?					Y	Y
724.27	635.93	305564.3	503933.8	85.66	52.96	cal, hem					Y					Y	Y
734.95	646.61	305564.2	503933.7	999.00	99.00	cal, hem					Y					Y	Y
739.00	650.66	305564.1	503933.6	30.75	66.04	cal, hem					?					Y	Y
745.71	657.37	305564.0	503933.5	47.58	65.19	cal, hem					?					Y	Y
756.55	668.21	305563.8	503933.4	37.36	53.14	cal, hem, ?breccia					?					Y	Y
757.07	668.73	305563.8	503933.4	105.74	35.83	cal, hem										Y	Y
757.80	669.46	305563.8	503933.4	29.69	54.08	cal, hem										Y	Y
758.68	670.34	305563.8	503933.4	23.18	60.00	cal, hem										Y	Y
759.22	670.88	305563.7	503933.4	29.04	66.07	cal, hem										Y	Y
759.75	671.41	305563.7	503933.4	72.32	34.21	cal, hem										Y	Y
759.75	671.41	305563.7	503933.4	999.00	99.00	cal, hem										Y	Y
760.39	672.05	305563.7	503933.4	46.03	42.21	cal, ?dol, hem							?			Y	Y
761.95	673.61	305563.7	503933.3	40.27	36.18	cal, hem, dol					Y	Y				Y	Y
763.59	675.25	305563.7	503933.3	17.69	42.94	cal, hem					Y	Y				Y	Y
765.68	677.34	305563.6	503933.3	21.91	53.02	cal, hem					?					Y	Y
765.70	677.36	305563.6	503933.3	31.65	61.13	cal, hem, ?dol					?					Y	Y
766.28	677.94	305563.6	503933.3	56.40	36.27	hem, ?dol, ?cal							?			?	?

Table App 10.2 - Nirex Digital Geoscience Database PFF data from Sellafield borehole RCF3 (NIREX, 1996c).



Depth (mbRT)	Depth (mbOD)	Easting	Northing	Dip Azi. (Degree)	Dip (Degrees)	mineral fill	ME2	ME3	ME4	ME5	ME6 a	ME6 b	ME6 c	ME7	ME8	ME9	PFF
766.28	677.94	305563.6	503933.3	246.45	53.74	qz, chl, cal, Fe- dol	Y					Y					?
766.38	678.04	305563.6	503933.3	26.78	57.08	cal										Y	Y
766.45	678.11	305563.6	503933.3	999.00	99.00	qz, chl, cal, Fe- dol	Y					Y					?
766.78	678.44	305563.6	503933.3	66.25	65.26	cal										Y	Y
814.94	726.59	305562.6	503932.8	999.00	99.00	hem, cal, gou					Y					Y	Y
875.16	786.77	305561.1	503932.1	999.00	99.00	cal, clay								Y		Y	Y
884.44	796.05	305560.9	503932.0	348.81	57.36	cal, clay								Y			?
897.69	809.29	305560.5	503931.8	999.00	99.00	cal, hem					?					Y	Y
915.20	826.79	305560.1	503931.6	999.00	99.00	cal, hem										Y	Y
915.39	826.98	305560.1	503931.6	999.00	99.00	cal, hem										Y	Y
916.14	827.73	305560.1	503931.6	336.62	55.03	cal, sulp											?
916.17	827.76	305560.1	503931.6	999.00	99.00	cal, sulp											?
946.80	858.37	305559.2	503931.3	217.28	60.44	cal, hem					?					Y	Y
962.34	873.90	305558.8	503931.0	243.50	64.22	hem, ?cal										?	?
975.06	886.61	305558.4	503930.9	124.80	51.01	cal, sulp, hem, anh, clay					Y		Y	Y		Y	Y
975.40	886.95	305558.4	503930.9	226.10	88.25	cal										?	?
975.81	887.36	305558.4	503930.9	247.74	74.12	cal, hem					Y					?	?
990.08	901.63	305557.9	503930.7	999.00	99.00	cal										Y	Y



Table App 10.2 - Nirex Digital Geoscience Database PFF data from Sellafield borehole RCF3 (NIREX, 1996c).



**THESIS CONTAINS**

**DVD**



## **Appendix 11**

**Nirex's Composite Logs & Summary Charts of the PRZ  
boreholes**